

GUIDEBOOK
for Interconnection
with NTT-East Networks

Guidebook for Interconnection Volume 1
Common Interconnection Procedures

Foreword

NTT East has long been promoting the opening of our networks and at the same time facilitating the smooth interconnection to our networks by voluntarily establishing rules for interconnection. In pursuing smooth interconnection with the facilities of other carriers in particular, we have been issuing this Guidebook for Interconnection on a regular basis to provide explanations of the interconnection procedures, etc.

To further develop an overall information and communications market including broadband services, we recognize the need to improve the value of the networks themselves through a cooperative relationship among telecommunications carriers in addition to efforts by each individual carrier to expand its own business activities. In line with these objectives, we intend to exert every effort to provide network resources that are even more convenient for other carriers to use. We look forward to your usage of our networks, and hope this guidebook will serve as a useful reference in promoting smooth and efficient interconnection.

Framework of this Guidebook

This Guidebook consists of three volumes: (1) Common Interconnection Procedures, (2) Specific Procedures for Each Pattern of Interconnection, and (3) Reference Information Concerning Interconnection.

Please use each volume of this guidebook for the purposes indicated below.

Volume 1: Please confirm the interconnection procedures based on the Articles of Agreement Concerning Interconnection.

Volume 2: The second volume introduces the necessary information for each pattern of interconnection used by other carriers.

Volume 3: The third volume explains the interconnection rules and other details and introduces various activities undertaken by NTT East for the development of telecommunications.

The latest information is available on the NTT East Homepage at the following address.

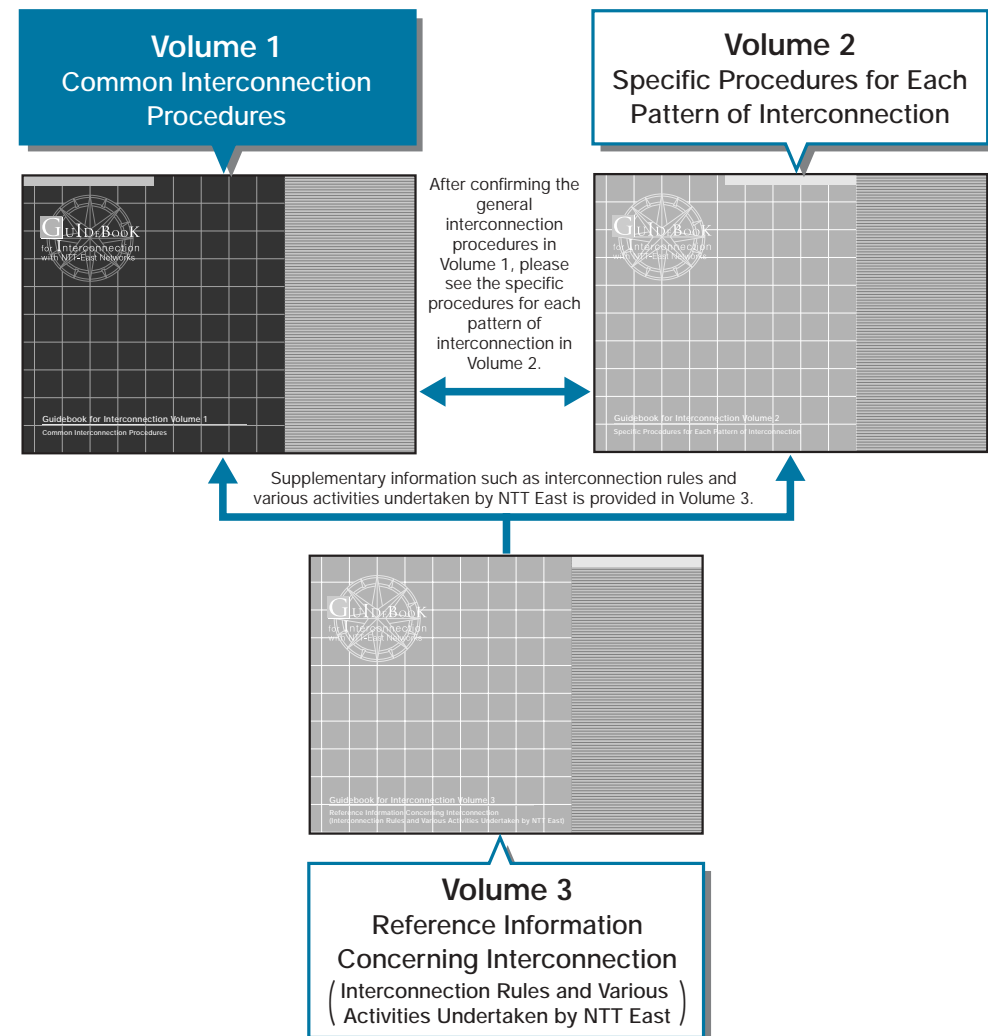
URL: <http://www.ntt-east.co.jp/info-st/>

Before Making an Application

Various applications need to be submitted for interconnection to NTT East networks. In submitting these applications, please provide information that is as accurate as possible on each application form in order to ensure a prompt response to your interconnection request. Before making an application, moreover, please carefully review the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection, and the information provided on our Homepage.

In considering interconnection to NTT East networks, please refer to this Guidebook, the Articles of Agreement Concerning Interconnection, and the various types of information provided before submitting your applications. Should you have any questions, please feel free to contact the Interconnection Business Promotion Section of the Interconnection Promotion Department.

While we will make every effort to provide information concerning interconnection in English, please note that consultations about interconnection, the exchange of formal documents concerning negotiations, and the conclusion of Interconnection Agreements and other contracts must be handled in Japanese only.



Basic Principles of Interconnection

As NTT East firmly believes that increased competition creates a more vital market and leads to greater diversity in services, we are working to promote network interconnection under the principle of endeavoring to meet all interconnection requests from other carriers. In addition, we are also exerting our best efforts to build networks that are reliable and easy for other carriers to use.

Meeting all interconnection requests in principle

- The charges required for interconnection are specified in the Articles of Agreement Concerning Interconnection.
- We may find it necessary to decline interconnection requests only under the following four cases as specified in Paragraph 1, Article 22 of the Articles of Agreement Concerning Interconnection.

Cases raising any concern that the smooth provision of telecommunications service by NTT East will be hindered.

Cases raising any concern that NTT East's interests will be unduly damaged by the interconnection.

The applicant for interconnection has failed or is likely to fail to pay any amount due with respect to interconnection.


Cases in which the installation or modification of telecommunications facilities to establish interconnection is extremely difficult from a technical or economic standpoint.

Ensuring fair, impartial and non-discriminatory interconnection conditions that are identical for all carriers

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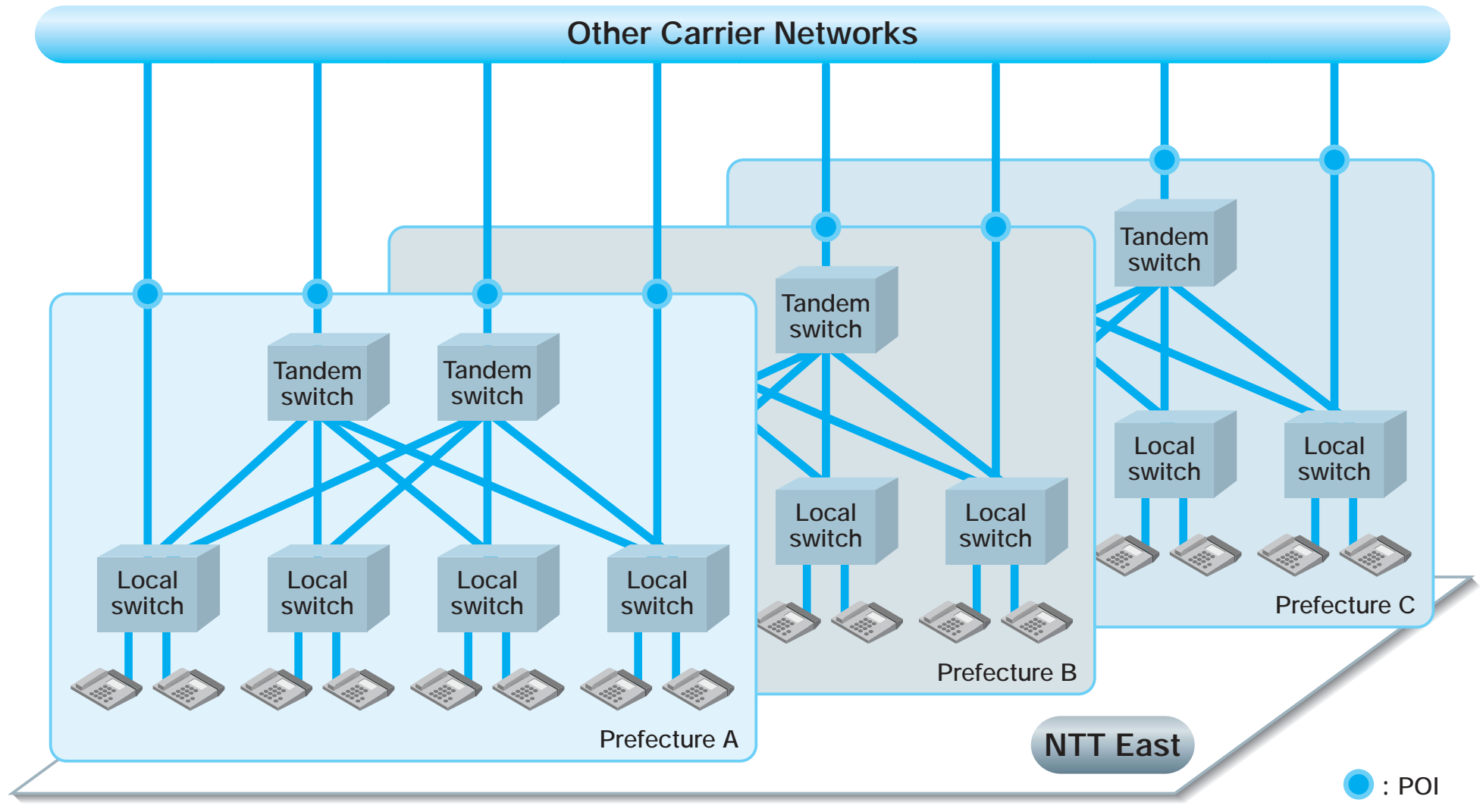
Chapter 1



Overview of Interconnection to NTT East Networks

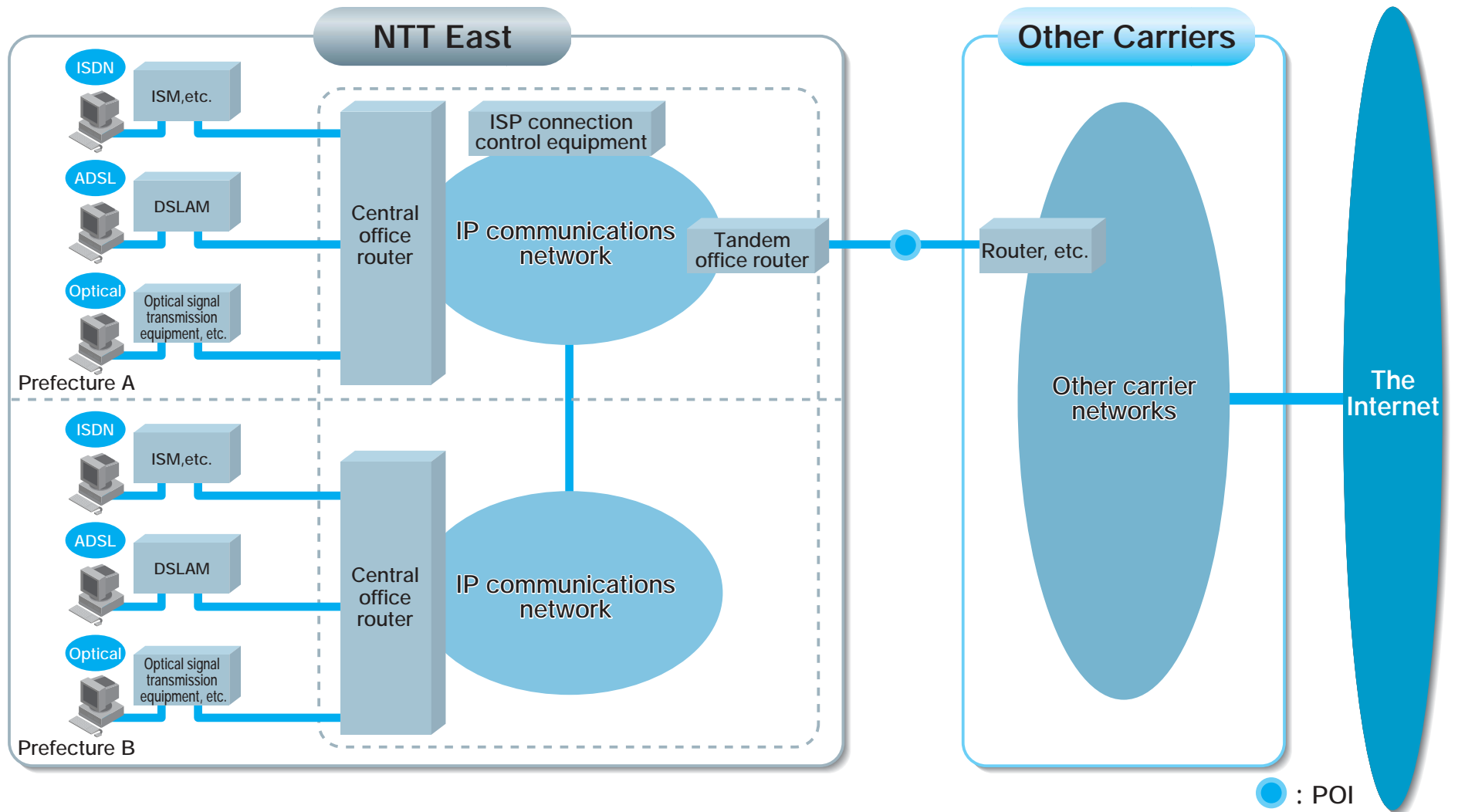
NTT East Network Architecture (Telephone Network)

NTT East provides intra-prefecture communications covering the East Japan area (Hokkaido, Tohoku, Kanto, Tokyo and Shinetsu). The following is a general overview of the NTT East telephone network architecture.



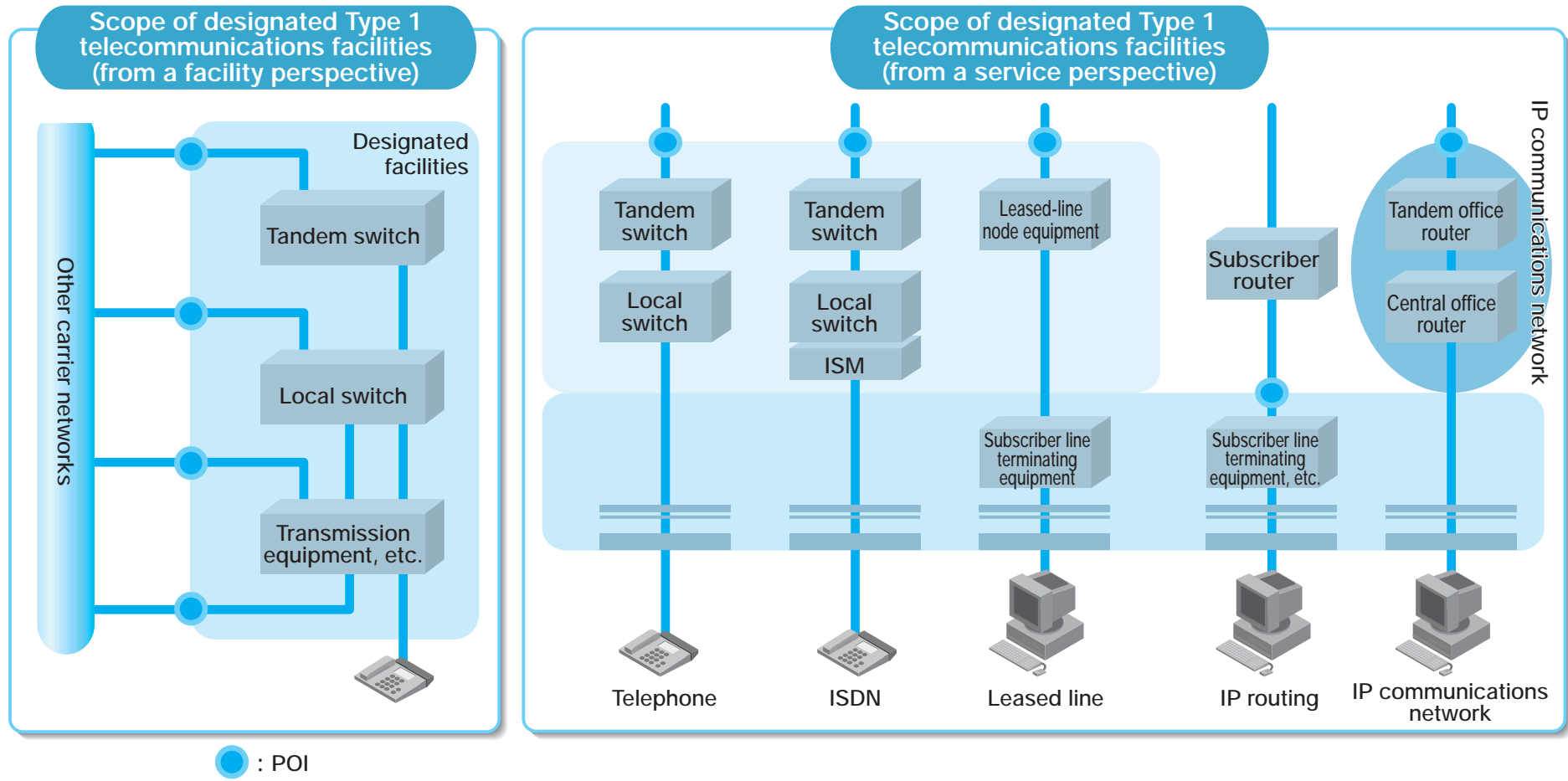
NTT East Network Architecture (IP Communications Network)

NTT East provides communications within the East Japan area (Hokkaido, Tohoku, Kanto, Tokyo and Shinetsu). The following is a general overview of the NTT East IP communications network architecture.



Designated Type 1 Telecommunications Facilities

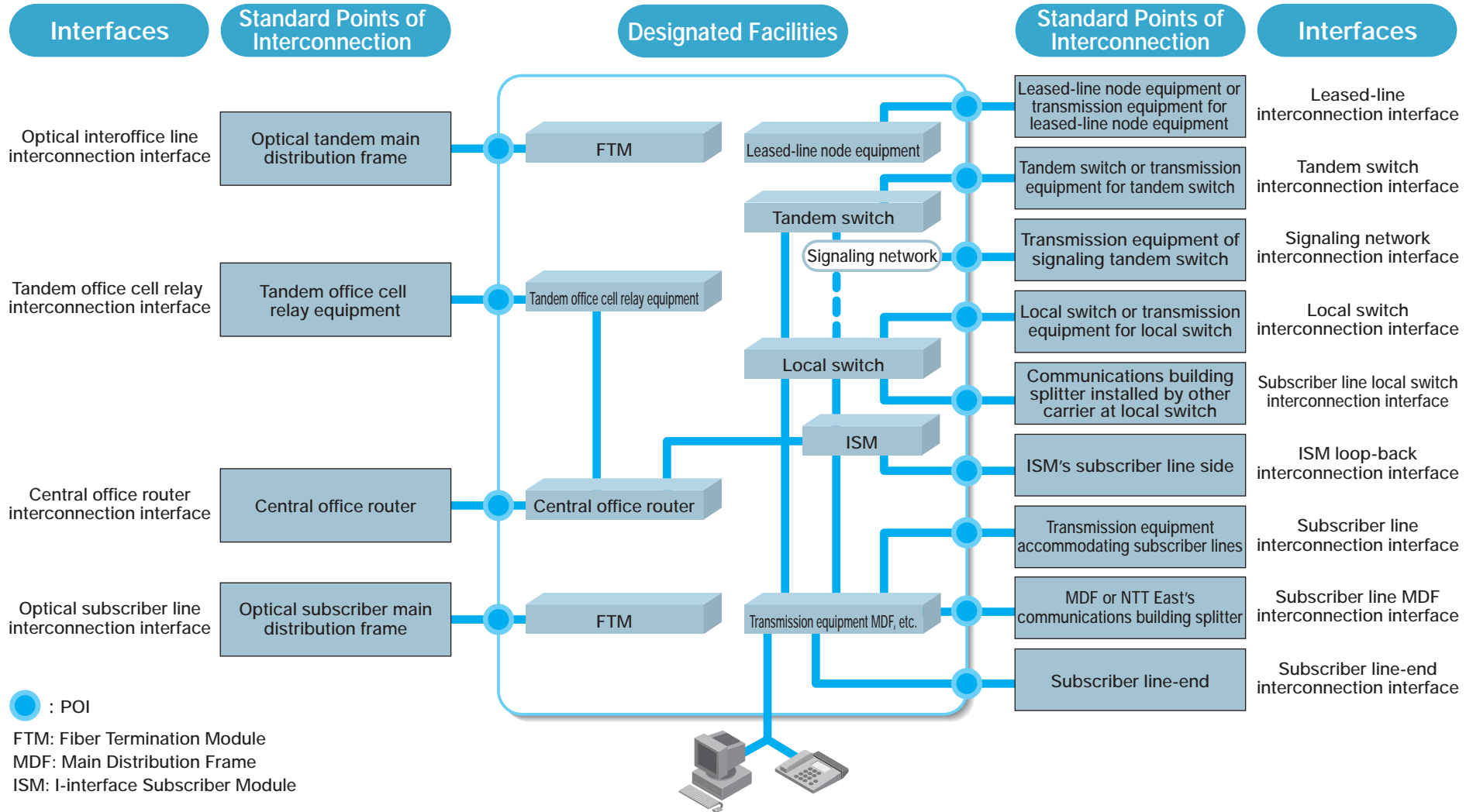
This guidebook provides an explanation of the NTT East facilities that have been designated* by the Minister of Public Management, Home Affairs, Posts and Telecommunications as essential facilities to provide service to customers ("designated Type 1 telecommunications facilities").



Explanation
 Designated by Notification No. 723 of the Ministry of Public Management, Home Affairs, Posts and Telecommunications (November 30, 2001)

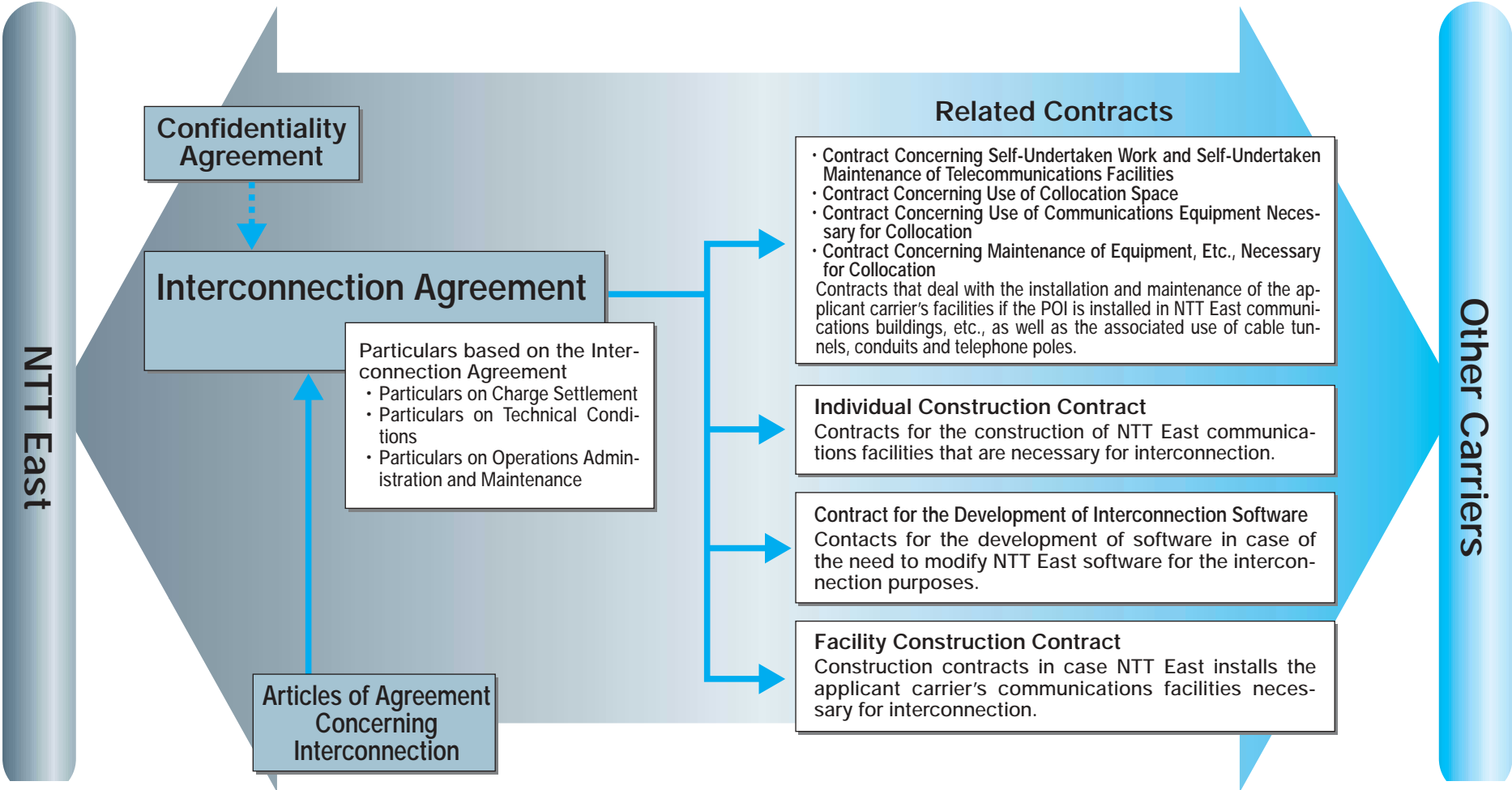
Standard Points of Interconnection and Technical Conditions

NTT East will establish interconnection at various points as specified in Article 5 of the Articles of Agreement Concerning Interconnection. The interface conditions applicable to each point of interconnection are described in the Collection of Technical Conditions included in the Articles of Agreement Concerning Interconnection to enable other carriers to verify technical compatibility in advance. [See Article 5 and the Collection of Technical Conditions of the Articles of Agreement Concerning Interconnection](#)



Interconnection Agreements and Contracts

As interconnection between carriers entails a number of agreements, various agreements and contracts are required in accordance with the interconnection format.



- 1 Major Interconnection Costs (1) (Contents and Billing Methods)

Major costs to be borne by other carriers in executing interconnection with NTT East networks are as follows.

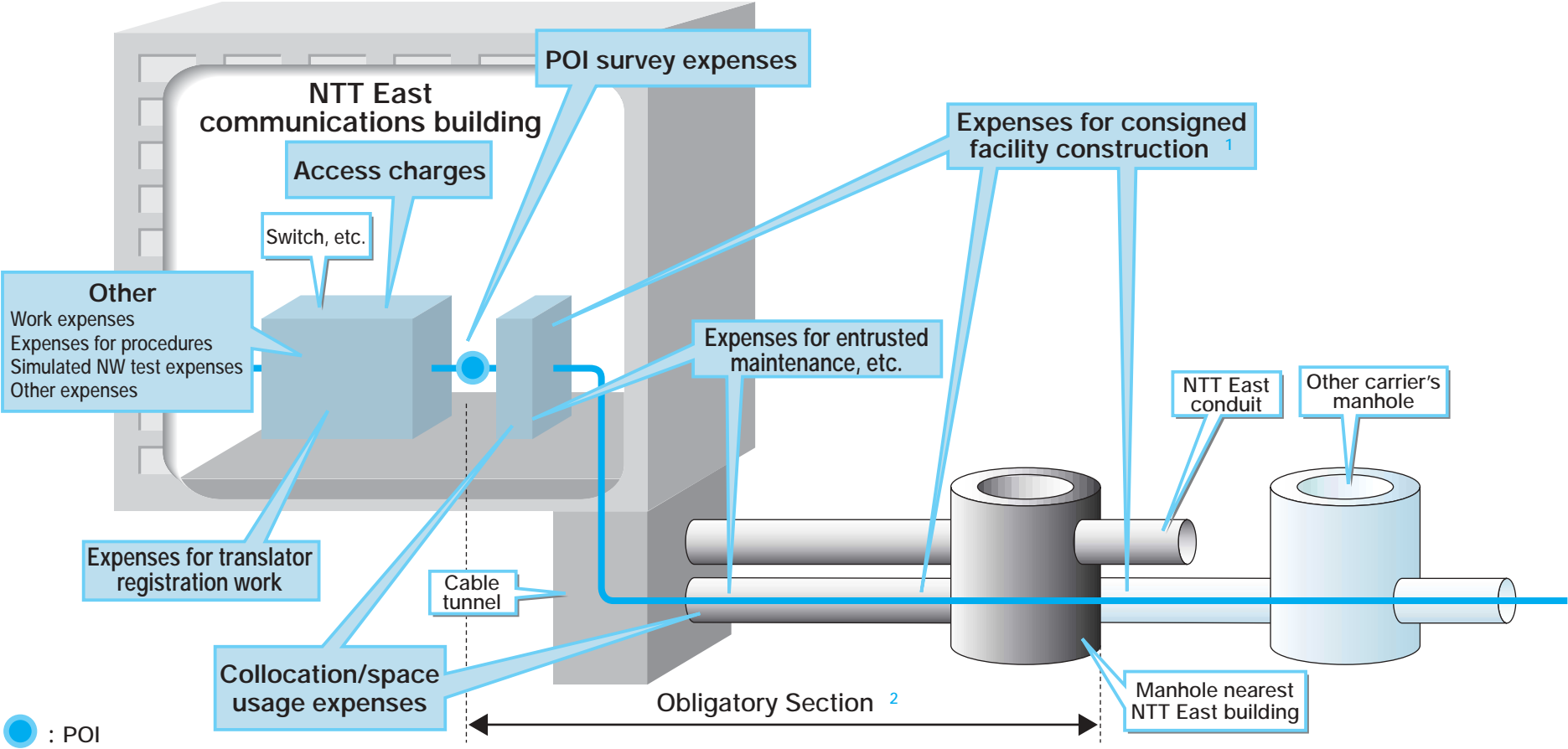
 [See Tables of Charges](#)

Item	Contents	Billing Method
Access charges (1.1, Table 1 in the Tables of Charges, the Articles of Agreement Concerning Interconnection) <ul style="list-style-type: none"> • Interconnection call charges • Communications circuits for PHS public cell stations • Interconnection leased lines • Optical fiber lines • DSL lines • Other 	<ul style="list-style-type: none"> • Access charges for basic network interconnection functions (e.g., local switching functions) 	<ul style="list-style-type: none"> • Access charges are calculated in accordance with traffic volume, the number of circuits used, etc., on a usage-sensitive basis, and totaled and billed by calendar month.
Network modification charges (1.2, Table 1 in the Tables of Charges, the Articles of Agreement Concerning Interconnection) <ul style="list-style-type: none"> • Individual construction costs • Interconnection software development costs 	<ul style="list-style-type: none"> • Usage charges for individual and exclusive functions and facilities in case modifications to NTT East networks are made to realize such functions at the request of applicant carriers. 	<ul style="list-style-type: none"> • Costs (individual construction costs, interconnection software development costs, etc.) required for modifications are calculated on an annual basis, 1/12th of which is billed monthly. <small>* Network modification charges are also required at the time of usage cancellation and/or upgrades.</small>
Expenses for works (2.1, Table 2 in the Tables of Charges, the Articles of Agreement Concerning Interconnection) <ul style="list-style-type: none"> • Expenses for translator registration work • Expenses for PHS registration work • Work expenses for local switch interconnection line installation, etc. 	<ul style="list-style-type: none"> • Expenses for works in case of registering or changing subscriber line numbers, etc., at the request of applicant carriers. • Work expenses for an increase or decrease in the number of interconnection lines used for interconnection to applicant carrier facilities. 	<ul style="list-style-type: none"> • Billed per occurrence (numbers, magnetic media, work, line, etc.)
Expenses for procedures (2.2, Table 2 in the Tables of Charges, the Articles of Agreement Concerning Interconnection) <ul style="list-style-type: none"> • POI survey expenses • Charge collection handling expenses • Expenses for line condition surveys • Expenses for physical attendance • Other 	<ul style="list-style-type: none"> • Expenses for interconnection-related procedures undertaken at the request of applicant carriers. 	<ul style="list-style-type: none"> • Billed per occurrence (number of cases, etc.); charge collection handling expenses are billed monthly.
Expenses under Facility Construction Contract (Table 2-2 in the Tables of Charges, the Articles of Agreement Concerning Interconnection)	<ul style="list-style-type: none"> • Expenses in case NTT East is entrusted to construct the facilities of applicant carriers. 	<ul style="list-style-type: none"> • Billed per occurrence (work).
Expenses under Entrusted Maintenance Contract or Collocation and Space Usage Contract (Table 3 in the Tables of Charges, the Articles of Agreement Concerning Interconnection)	<ul style="list-style-type: none"> • Expenses for collocating applicant carrier's facilities in NTT East communications buildings, and/or expenses for space required to install facilities. 	<ul style="list-style-type: none"> • Calculated on a monthly or annual basis; monthly expenses or 1/12th of annual expenses are billed each month.

Required costs vary depending on the pattern of interconnection, etc.

- 2 Major Interconnection Costs (2) (Facilities Covered)

Major costs incurred for establishing POIs in NTT East communications buildings (including cable tunnels and manholes) and the relationship between such costs and the facilities covered are shown below.



Explanation

- 1 Incurred in case NTT East constructs the facilities of applicant carriers at the request of applicant carriers.
- 2 The section to be provided through POI surveys

- 3 Obligation to Pay Interconnection Costs (Access Charges)

The provisions of the Articles of Agreement for Leased Line Service will be applied mutatis mutandis to the minimum usage period for access charges as specified in Paragraph 2, Article 64 (Obligation to Pay Flat-Rate Access Charges) of the Articles of Agreement Concerning Interconnection.

☞ See Article 64 of the Articles of Agreement Concerning Interconnection

Functions for which the minimum usage period is applied ¹

- Exclusive-use interoffice transmission functions
- Optical/electric signal conversion functions
- Optical signal multiplexing and demultiplexing functions
- Data transmission functions
- Subscriber line transmission functions (Items (2), c and (8))
- Subscriber line transmission functions (subscriber optical fiber) (Item (6))
- Optical interoffice transmission functions (interoffice optical fiber)
- Optical intra-office transmission functions (intra-office optical fiber)

The minimum usage period for high-speed digital transmission service as stipulated in the provisions of the Articles of Agreement for Leased Line Service is applied mutatis mutandis (one year)

- Interconnection leased lines
 - Subscriber line transmission functions (Items "a" and "b," (2) and (3))
 - Exclusive transmission functions
- Inter-terminal transmission functions, etc.

The minimum usage period stipulated for respective leased line services is applied mutatis mutandis (one year).

Explanation

¹ The minimum usage period as stipulated in the Articles of Agreement for Leased Line Service is applied mutatis mutandis.
The phrase "the cancellation of a leased line service contract" in the Articles of Agreement for Leased Line Service shall read "the cancellation of a leased line service contract or the suspension of interconnection for the interconnection leased line," and the provisions related to the lines for which charges are set by other carriers are excluded.

(Reference) Calculating Interconnection Charges for Designated Type 1 Telecommunications Facilities

When NTT East uses the actual cost method for calculating interconnection charges (access charges and network modification charges) for Type 1 telecommunications facilities that are designated by the Minister of Public Management, Home Affairs, Posts and Telecommunications as essential facilities (facilities with few alternatives) in providing services to customers, expenses for the designated Type 1 telecommunications facilities only are used as the costs to calculate interconnection charges in conformity with the Telecommunications Business Law and related government and ministerial ordinances, and specific charges are stipulated in the Articles of Agreement Concerning Interconnection.

If the telecommunications services to be offered are new and substantial increases in demand are expected in the future, the calculation period of the costs may be within the five-year period in accordance with the applicable ministerial ordinances.

Of the access charges, costs for telephone and ISDN services are calculated in conformity with the Telecommunications Business Law and the applicable government and ministerial ordinances by using the expenses calculated on the assumption of newly re-built networks using the most efficient facilities and technologies now available at the lowest costs as costs by means of the long-run incremental cost (LRIC) method, and specific charges are stipulated in the Articles of Agreement Concerning Interconnection.

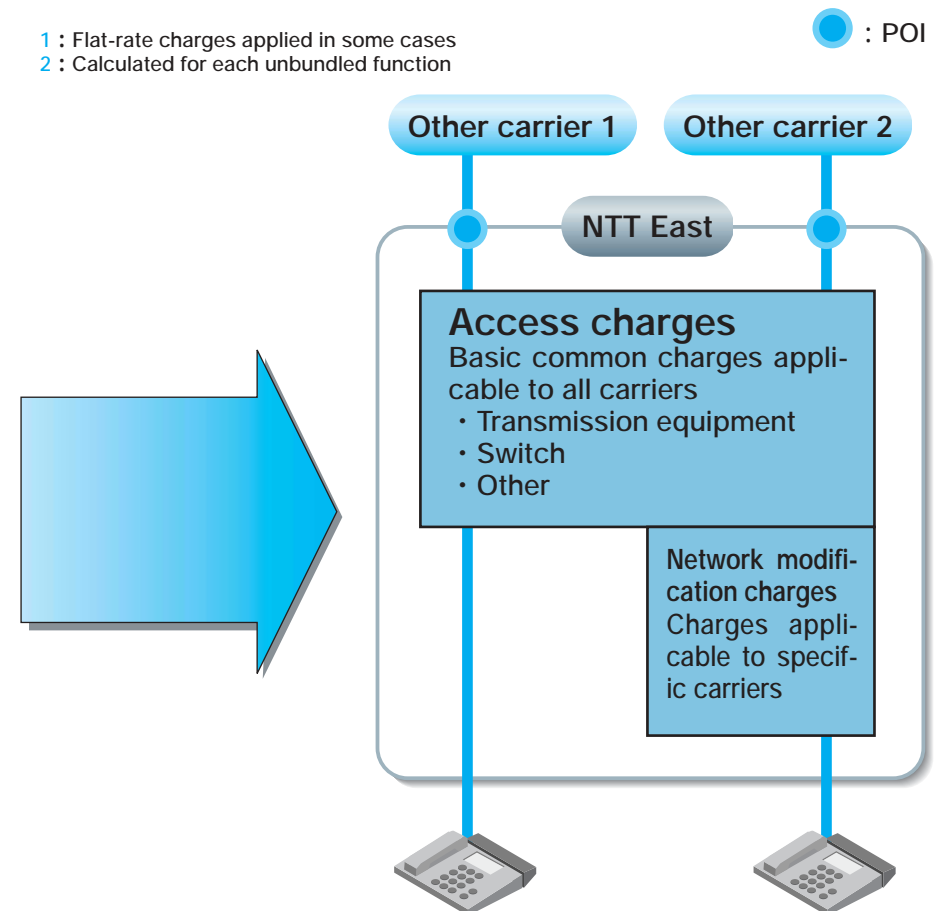
<Concept of actual cost method>

Interconnection charges

Access charges = Set-up charges per connection + Charges per second ¹
 (Costs for interconnection charges are applied on a usage-sensitive basis.)
 Network modification charges = Annual charges (billed monthly)
 (Costs for facilities and/or functions that are individually and exclusively used are applied.)

NTT East costs	Excluding costs not related to interconnection	
	Costs of interconnection charges ² (Expenses only for designated Type 1 telecommunications facilities)	Administrative and operation costs for designated Type 1 telecommunications facilities Sales costs (interconnection-related only) Operation costs Facility maintenance costs Common management costs R&D costs (infrastructure-related only) Fixed asset retirement costs Depreciation costs Taxes and public dues Profit-based taxes
		Capital costs Borrowed capital costs Equity capital costs

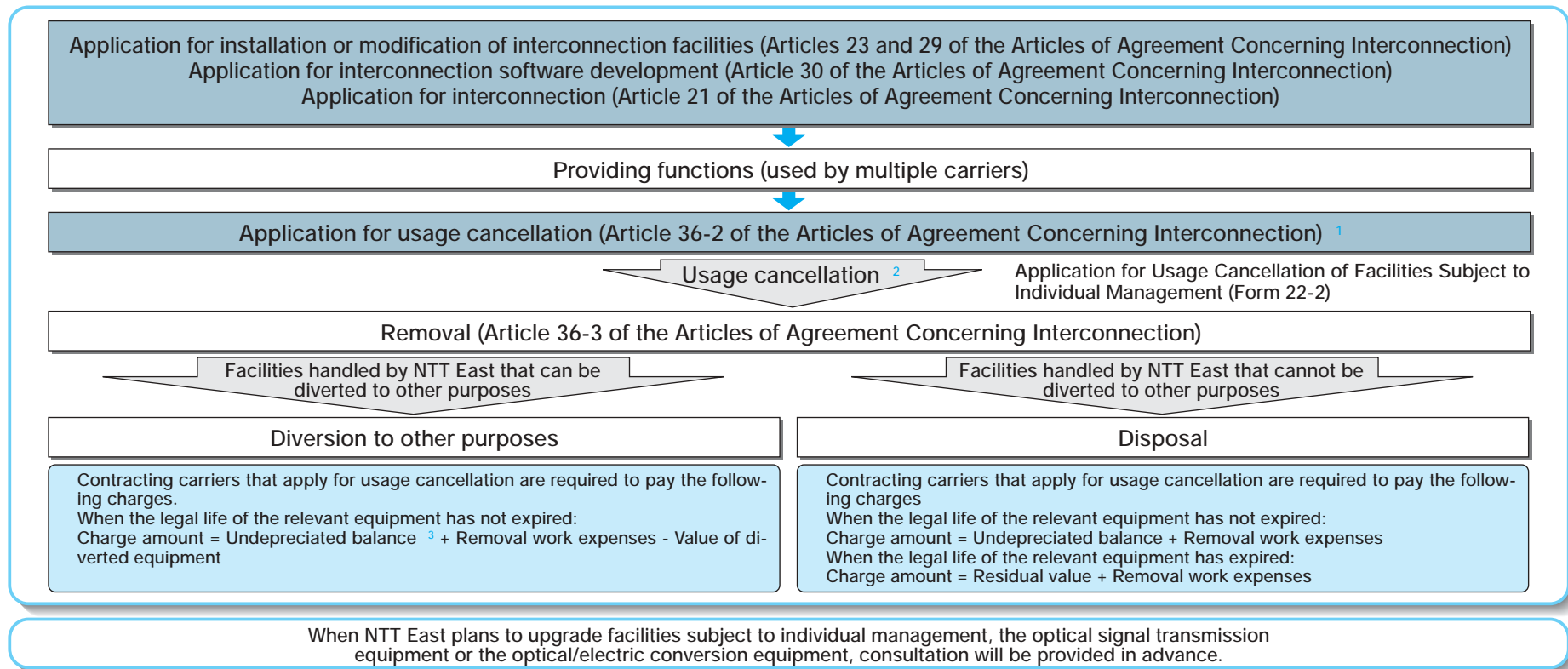
- 1 : Flat-rate charges applied in some cases
- 2 : Calculated for each unbundled function



- 4 Obligation to Pay Interconnection Costs (Network Modification Charges)

With respect to the provisions relating to the procedures and expenses for canceling the usage of NTT East's telecommunications facilities or software, the following procedures are applied for canceling the usage of facilities subject to individual management.

➡ See Articles 36, 36-2, 36-3 and 66 and Tables of Charges, the Articles of Agreement Concerning Interconnection



Explanation

- 1 Limited to cases in which all contracting carriers simultaneously have submitted applications for usage cancellation if multiple contracting carriers are using the relevant functions.
- 2 In case of requesting upgrades, an application for new telecommunications facilities or software is required in addition to an application for usage cancellation. After upgrades, moreover, the payment of network modifications charges for the new telecommunications facilities or software is required.
- 3 Undepreciated balance = (Fixed asset acquisition value - Residual value) × Ratio of remaining legal life + Residual value

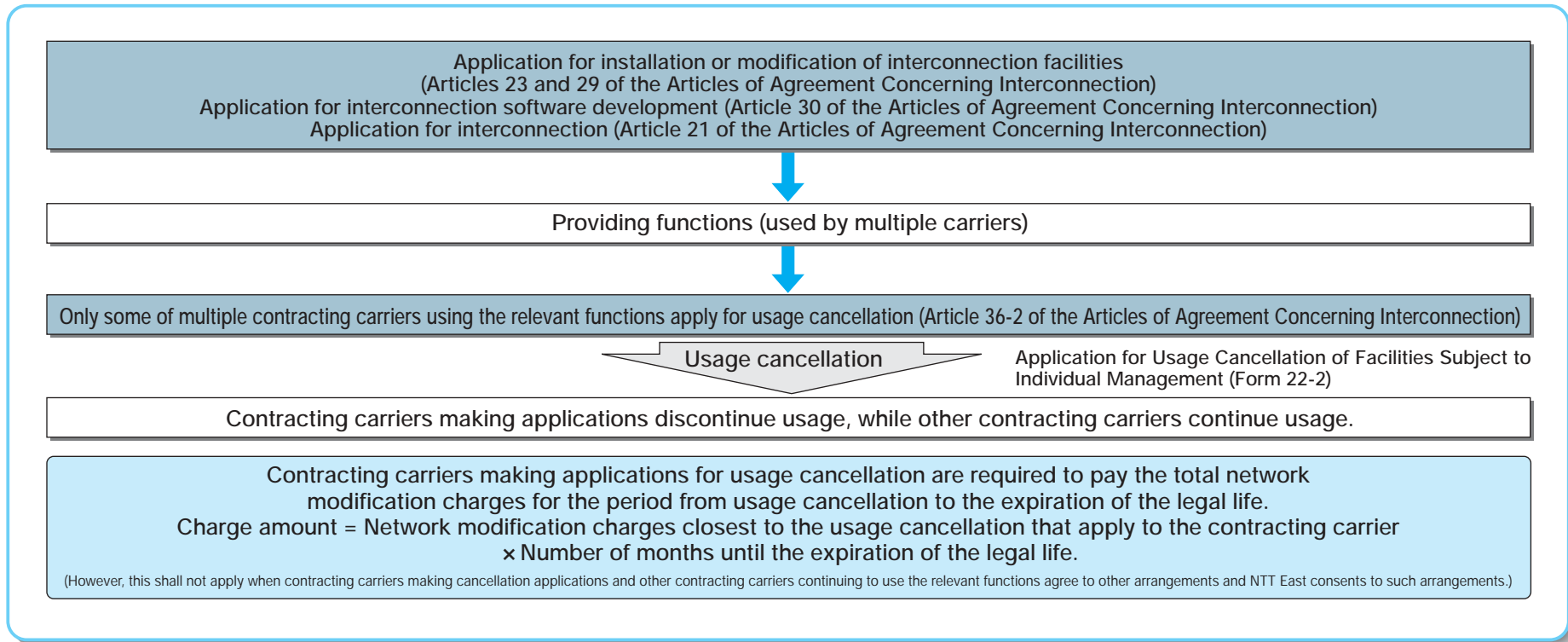
Reference

Facilities subject to individual management: Meaning telecommunications facilities or software relating to the functions subject to network modification charges.
Residual value: Meaning the fixed asset net value after the expiration of the legal life.
Undepreciated balance: Meaning the amount calculated by subtracting the amounts paid as network modification charges from the fixed asset acquisition value.
Removal work expenses: Actual expenses incurred
Value of diverted equipment: Meaning the appraised value of the equipment at the time of diversion (as calculated by the declining balance method)
The diversion feasibility of facilities subject to individual management can be viewed at: <http://www.ntt-east.co.jp/info-st/mutual/other/>

- 4 Obligation to Pay Interconnection Costs (Network Modification Charges)

With respect to facilities subject to individual management used by multiple contracting carriers, the following procedures are applied for usage cancellation by only some of contracting carriers.

☞ See Articles 36-2 and 66 and Tables of Charges, the Articles of Agreement Concerning Interconnection



Explanation

When requesting upgrades, an application for new telecommunications facilities or software is required in addition to the application for usage cancellation. After upgrades, moreover, the payment of network modification charges relating to new telecommunications facilities or software becomes necessary.

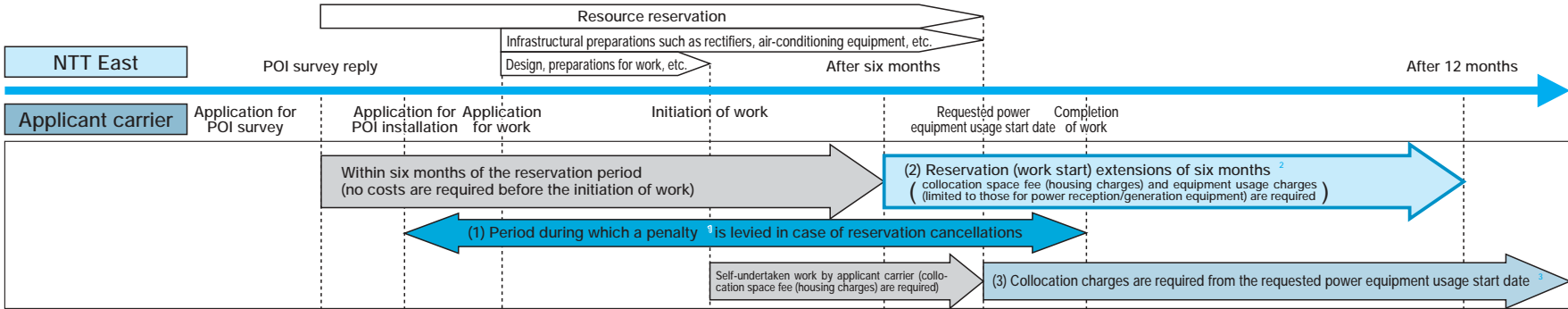
- 5 Interconnection Costs (Collocation Space, Etc., and Interoffice Optical Fiber)

Costs to be borne with respect to the reservation or the reservation cancellation of NTT East’s collocation space, etc., and interoffice optical fiber are as follows.

Articles 78-2 and 78-3

Collocation Space, Etc.

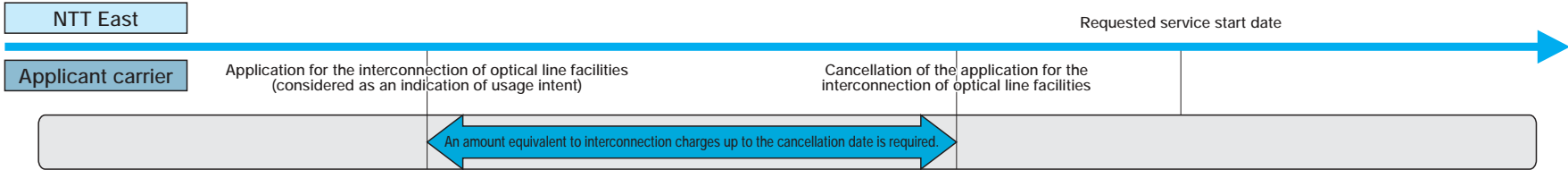
- If a POI installation application is cancelled during the period from the date of such application to the completion of the POI installation work, the payment of a penalty equivalent to the equipment usage charges (limited to charges for the power reception/generation equipment) for the period from the POI installation application to the reservation cancellation is required.
- Payment of the collocation space fee (housing charges) and the power reception/ generation equipment usage charges is required to extend the resource reservation period.



1 A penalty equivalent to the equipment usage charges (limited to those for power reception/generation equipment) for the period from the POI installation application to the reservation cancellation (the cancellation of the POI installation application) is required. However, the charges already paid under the procedures specified in (2) and (3) will be subtracted from this penalty.
 2 NTT East will not accept reservation extensions in case of special situations, such as reasons attributable to the applicant carrier.
 3 If the date on which NTT East makes the power equipment available comes after the power equipment usage start date requested by the applicant carrier, collocation charges will be required from the date on which the power equipment becomes available. Collocation charges are required from the planned work completion date in case of work that does not entail the usage of new power equipment. (However, if the work completion date comes before the planned work completion date, collocation charges are required from the work completion date.)

Interoffice Optical Fiber

If an interconnection application is cancelled during the period from the date of such application to the start of the interconnection, the payment of a penalty equivalent to the interconnection charges for the period from the interconnection application to the cancellation is required.



VI - 6 Handling Cases Where Credit Concerns Have Arisen with Contracting Carriers

To meet as many suitable interconnection requests as possible, the procedures to handle cases where credit concerns have arisen with contracting carriers are stipulated in the Articles of Agreement Concerning Interconnection.

➔ See Articles 22, 45, 48, 53-2, 60, 61-2, 67, 68, 73-2, 77-2, 85, 100 and 101, the Articles of Agreement Concerning Interconnection

Handling cases where an applicant carrier has failed or is likely to fail to pay any amount payable with respect to interconnection ¹... (1) ~ (5)

(1) Non-acceptance of an application for interconnection, etc. (Article 22)

It is stipulated that an application for interconnection shall not be accepted if an applicant for interconnection has failed or is likely to fail to make payment. ²

(2) Non-acceptance of a request for work or procedures, etc. (Article 100)

It is stipulated that NTT may decline to accept a request from a contracting carrier for work or procedures, etc. ²

(3) Consultation on making deposits, etc. (Article 77-2)

It is stipulated that NTT may request consultation with a contracting carrier in order to secure a guarantee on the payment of obligations such as by making deposits.

Handling cases where any reason resulting in the forfeiture of the grace period ¹ becomes applicable to a contracting carrier... (4) and (5)

(4) Acceleration of payment (Article 73-2)

When a contracting carrier declares insolvency with respect to all or part of obligations payable
 When a petition is submitted against a contracting carrier for bankruptcy pursuant to laws and ordinances
 In case of suspending payment on or dishonoring any bills or checks
 When a petition is submitted for compulsory procedures for liquidation of the assets pursuant to laws and ordinances
 When the whereabouts of a contracting carrier are unknown

When the registration of telecommunications business for a contracting carrier is revoked
 When a contracting carrier discontinues all telecommunications business operations
 If a state that is likely to cause significant hindrance to the continuation of business by a contracting carrier occurs, and when the contracting carrier is unlikely to pay its obligations payable with respect to interconnection

It is stipulated that if any of the reasons listed above becomes applicable, a contracting carrier shall forfeit any grace period with respect to charges and other obligations payable to NTT in relation to interconnection and shall immediately pay such charges and other obligations to NTT. ⁴

(5) Suspension or discontinuation of work or procedures, etc. (Article 61-2)

It is stipulated that NTT may suspend work or procedures, etc. (may discontinue if the situation is not corrected even after such suspension). ²

Suspension of Interconnection (Article 60)

If any of the following items becomes applicable, NTT may suspend interconnection.

If charges and other obligations of interconnection have not been paid after the due dates, interconnection is suspended up to payment of such charges or other obligations.

If Article 47 (Confidentiality Obligation), Article 51 (Responsibility for Maintenance) or other provisions of these Articles of Agreement are violated, interconnection is suspended up to correction of such violation.



Cancellation of Agreement (Article 45)

NTT may cancel the Agreement if any of the following items becomes applicable.

When a contracting carrier with whom interconnection was suspended has not yet eliminated the cause for such suspension.

When a contracting carrier falls under Article 60 (Suspension of Interconnection), and it is deemed that the cause for such suspension will particularly and substantially hinder the implementation of NTT's business activities. ³

Explanation

- Items 1) through 5) and 8) in (4) Acceleration of payment are included in cases where a contracting carrier has failed or is likely to fail to make payment.
- It is clearly stipulated that cases in which payment of obligations payable with respect to interconnection is guaranteed are excluded.
- NTT may cancel the Agreement without suspending interconnection before such cancellation.

- If 4), 6) or 7) is applicable, cases in which a contracting carrier guarantees that there is no fear of failing to pay any amount payable with respect to interconnection are excluded.

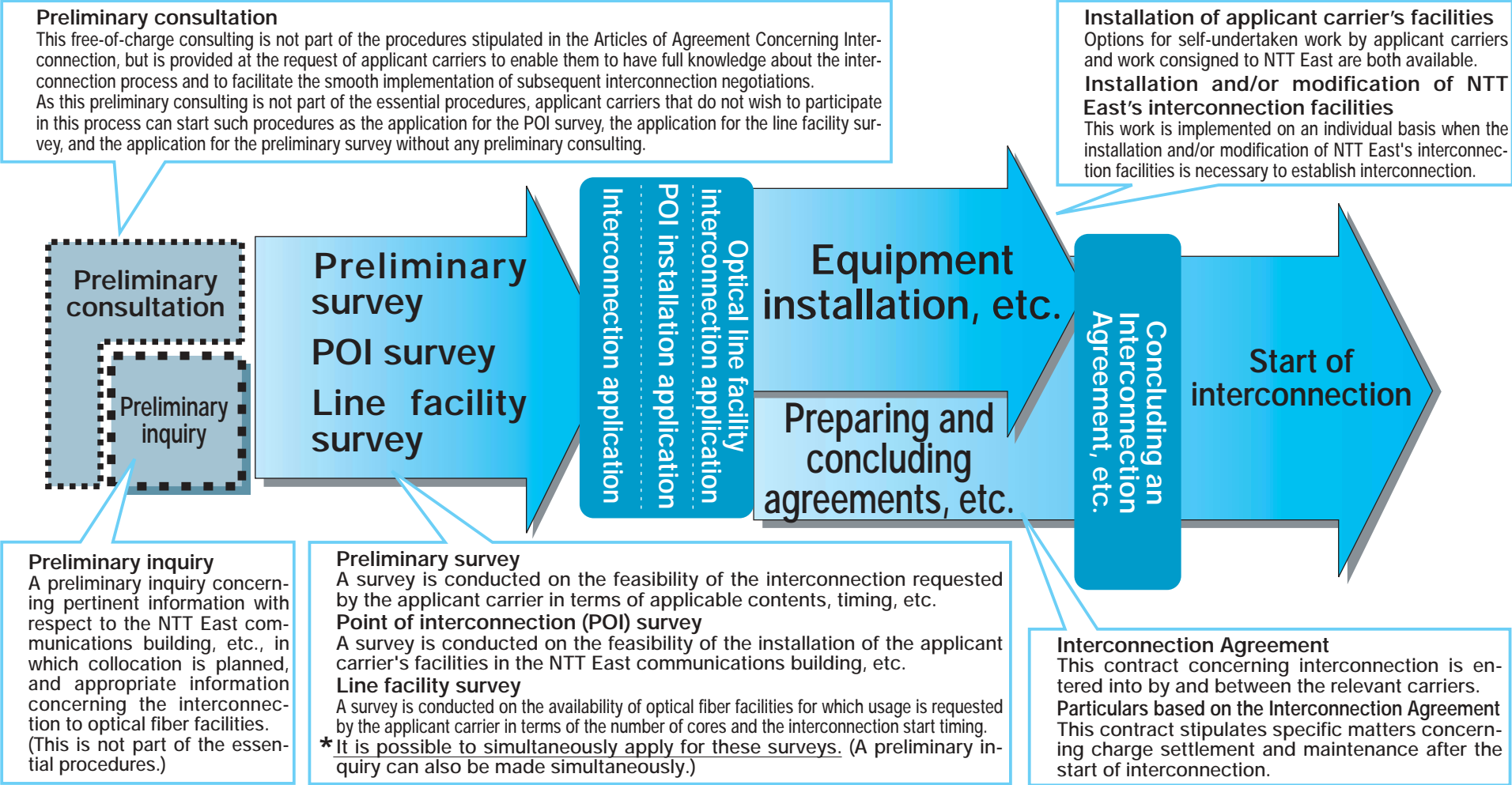
Other related provisions stipulated in the Articles of Agreement Concerning Interconnection include prior consultation for consent to the assignment of accounts receivable (Article 53-2), notification of necessary matters (Article 48), a notification method to a contracting carrier whose whereabouts are unknown (Article 60), expenses in case of Agreement cancellation, termination, etc. (Articles 85, 67 and 68) and reciprocal conditions (Article 101).

Chapter 2

Procedures Before the Start of Interconnection

Outline of Procedures from Survey to Interconnection Start

The procedures for establishing interconnection to NTT East networks consist of three phases: from the preliminary survey, POI survey and line facility survey to the application for interconnection, work-related procedures such as the installation of equipment, and the preparation and conclusion of the Interconnection Agreement, etc.



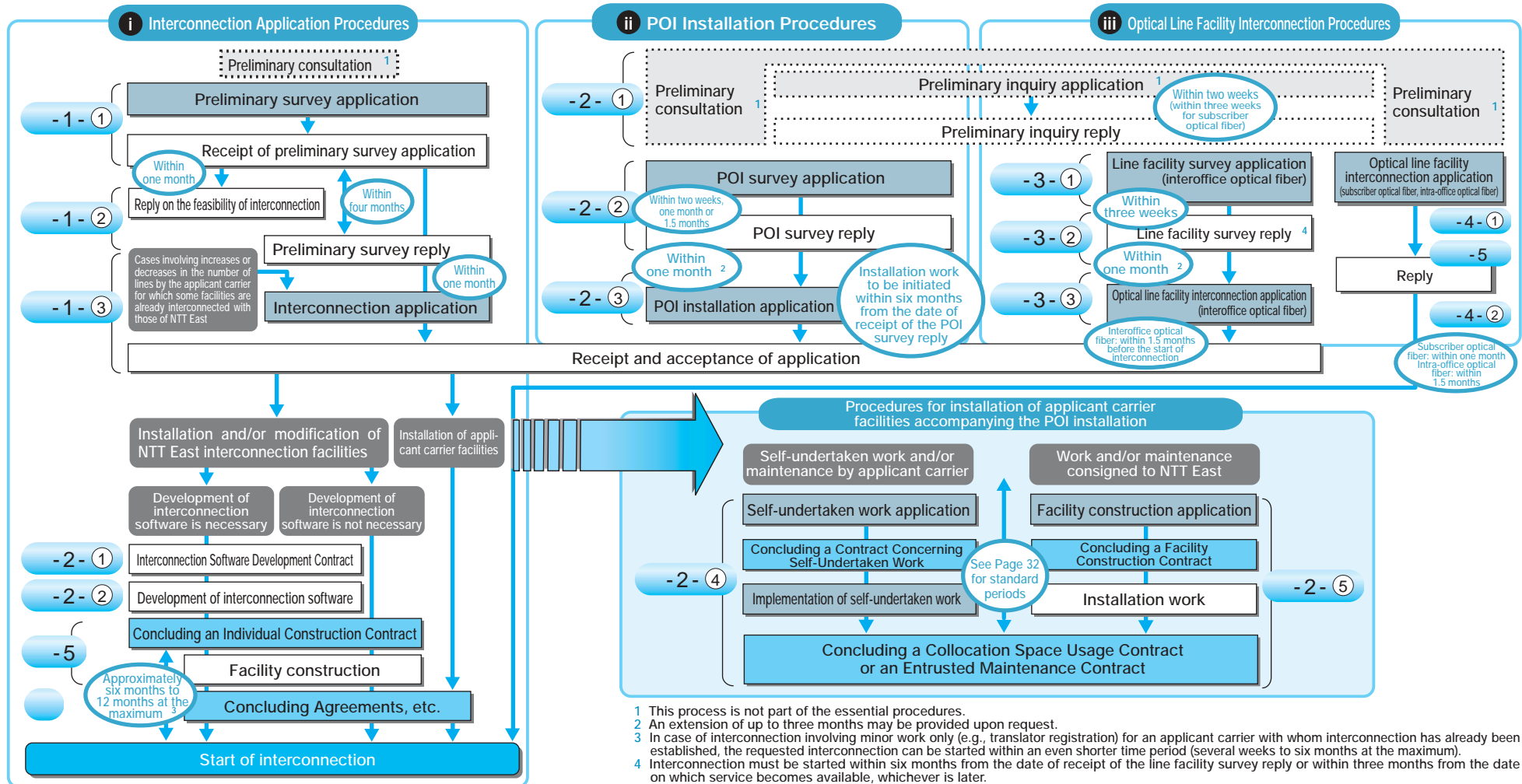
If any conditions other than those stipulated in the Articles of Agreement Concerning Interconnection are requested, a development period is required to realize the specific conditions (functions) that are requested. (See Pages 42 to 47.)

Interconnection Procedures (Overall Flow)

Interconnection procedures are as described below. The necessary procedures vary depending on the requested pattern of interconnection, as not all procedures are required in every case. Those procedures marked with **i**, **ii**, **iii** can be carried out simultaneously.

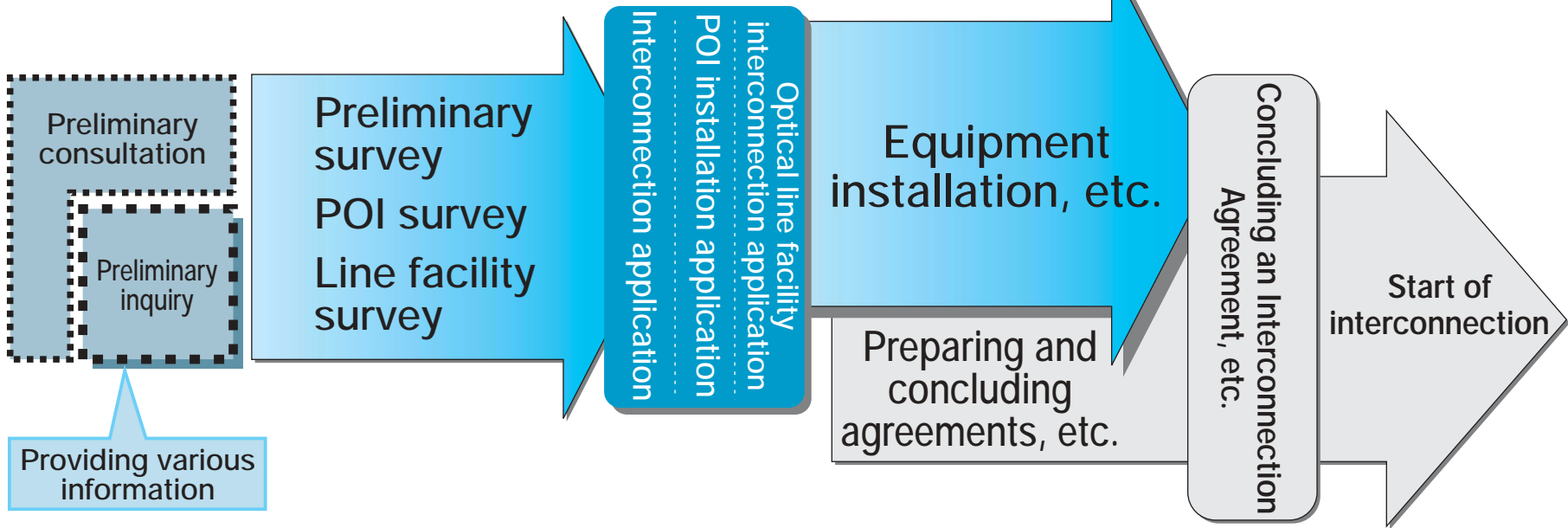
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Applicant carrier procedures
NTT East procedures
Contract



Procedures from Survey to Interconnection Application

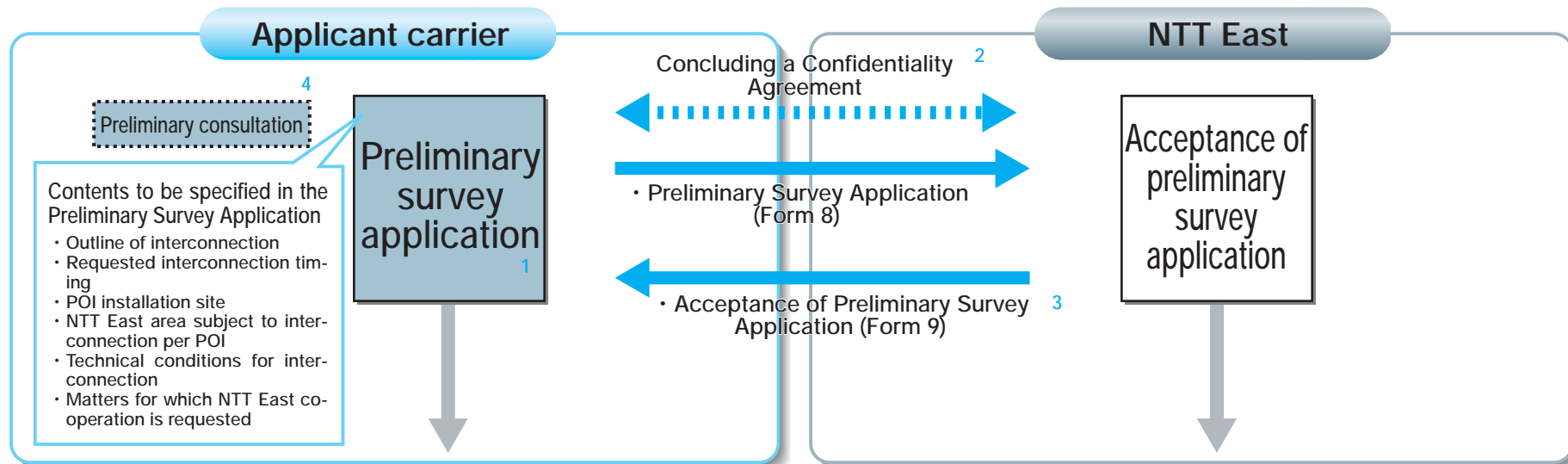
- 1 Preliminary survey ~ Interconnection application
- 2 POI survey ~ POI installation
- 3 Line facility survey ~ Optical line facility interconnection application
(interconnection to optical interoffice lines)
- 4 Optical line facility interconnection application
(interconnection to optical subscriber lines)
- 5 Optical line facility interconnection application
(interconnection to optical intra-office lines)



- 1 - Preliminary Survey Application

In establishing interconnection to NTT East communications facilities, applicant carriers are first requested to submit a Preliminary Survey Application that details the requested conditions. On the basis of the contents of this application, NTT East will conduct a survey concerning interconnection conditions, possible interconnection timing, whether any modifications will be required to NTT East facilities, and the approximate costs.

See Articles 11 and 12 of the Articles of Agreement Concerning Interconnection



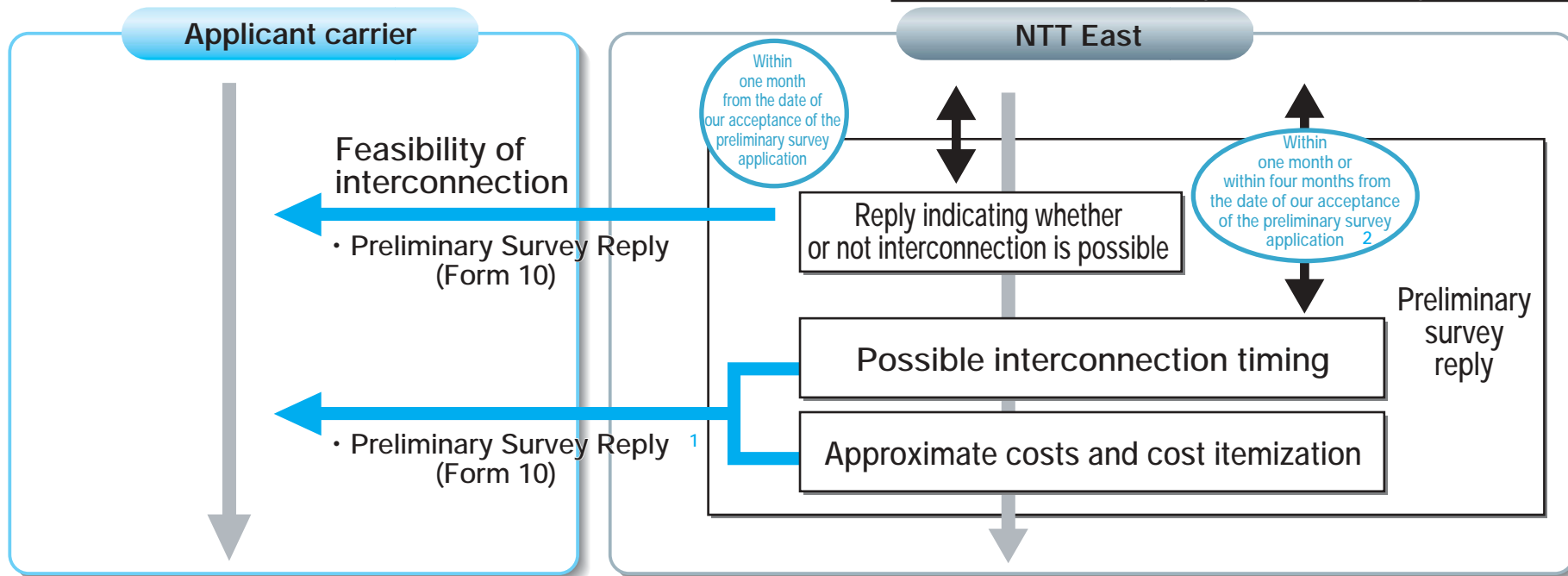
Explanation

- Eligible applicants for preliminary surveys are limited to telecommunications carriers.
*Entities other than telecommunications carriers must obtain registration of telecommunications business or submit such notification by the time an agreement is concluded.
Please complete all required items in the application form.
A preliminary survey application, a POI survey application and a line facility survey application can be submitted simultaneously.
- We will provide whatever information is necessary to complete the Preliminary Survey Application, the POI Survey Application and the Line Facility Survey Application. With respect to applicant carriers with whom we are initiating discussions for the first time, please note that it is necessary to conclude a Confidentiality Agreement in providing information related to NTT East security matters and intellectual property rights. We will also handle applicant carrier information that is acquired in the course of discussions concerning interconnection in accordance with a Confidentiality Agreement.
- NTT East will accept an application upon confirming that all necessary items have been completed, and will issue a document indicating the acceptance date. In case two or more applications are accepted which request the same interconnection timing and/or involve the interconnection of overlapping facilities, the surveys will be conducted in the order in which the applications are received.
- We will provide consultation (free-of-charge) at the request of an applicant carrier. Specifically, we will provide consultation about any questions, etc., in completing application forms for a preliminary survey, a POI survey and a line facility survey. (Please see Page 53 for contact numbers.)
As this preliminary consulting is not part of the essential procedures, applicant carriers that do not wish to participate in this process can start the procedures for the preliminary survey application without any preliminary consulting.

- 1 - Feasibility of Interconnection and Preliminary Survey Reply

Within one month of the acceptance of the preliminary survey application, NTT East will provide a reply indicating whether or not interconnection is possible. Follow-up information including the possible interconnection timing, the approximate costs required and an itemization of such costs will be provided in our reply within one month or within four months from the date of our acceptance of the preliminary survey application.

☞ Article 13 of the Articles of Agreement Concerning Interconnection



Explanation

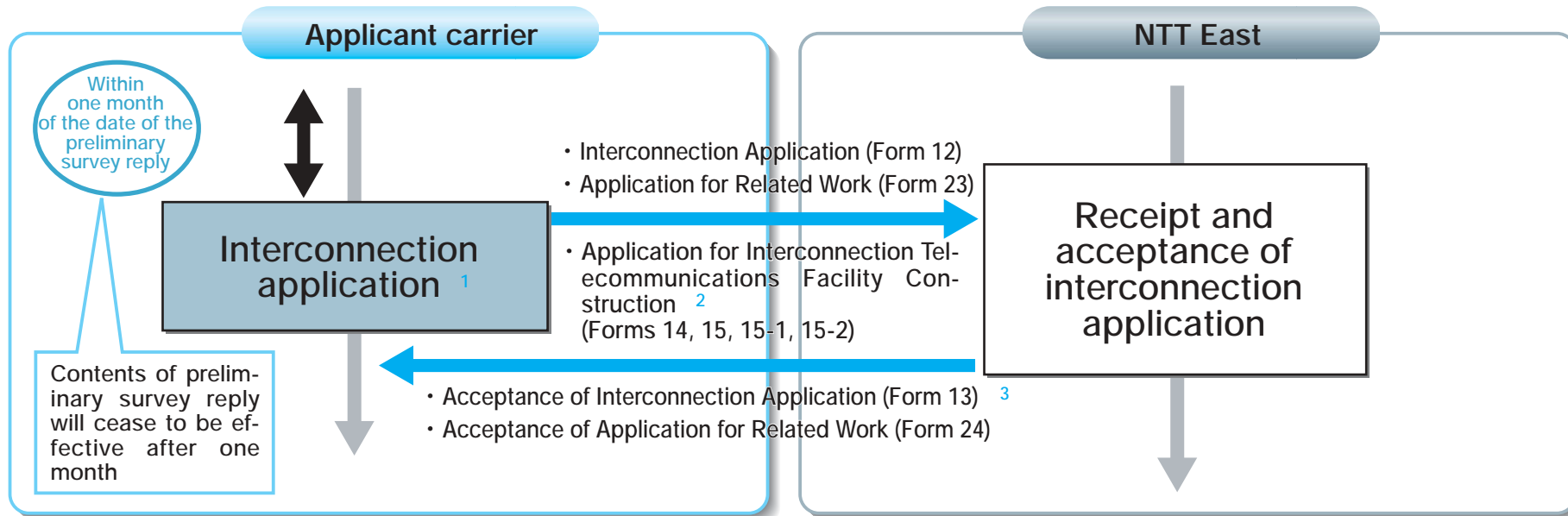
¹ The reply will include the possible timing for interconnection under the requested conditions indicated in the Preliminary Survey Application, the approximate costs required and the itemization of such costs. If the preliminary survey reveals that there is no need for the installation or modification of NTT East facilities (including software), a reply indicating this will be provided in addition to a statement specifying the feasibility of interconnection. In case the possible interconnection timing substantially exceeds the standard interconnection period, we will specify the reasons for this delay in our reply.

² The reply will be provided within one month of the preliminary survey application in case there is no need for the installation or modification of the designated telecommunications facilities (including software) of NTT East, and within four months in case such installation or modification is necessary. Moreover, when the installation or modification of NTT East's telecommunications facilities is necessary, a period exceeding four months may be required before providing a reply depending on the scale of such work.

- 1 - Interconnection Application

Within one month of the preliminary survey reply, please submit a formal interconnection application pursuant to the conditions outlined in our reply. NTT East will accept and initiate interconnection procedures in the order in which applications are received.

Articles 21 through 25, Articles 29 and 37 of the Articles of Agreement Concerning Interconnection



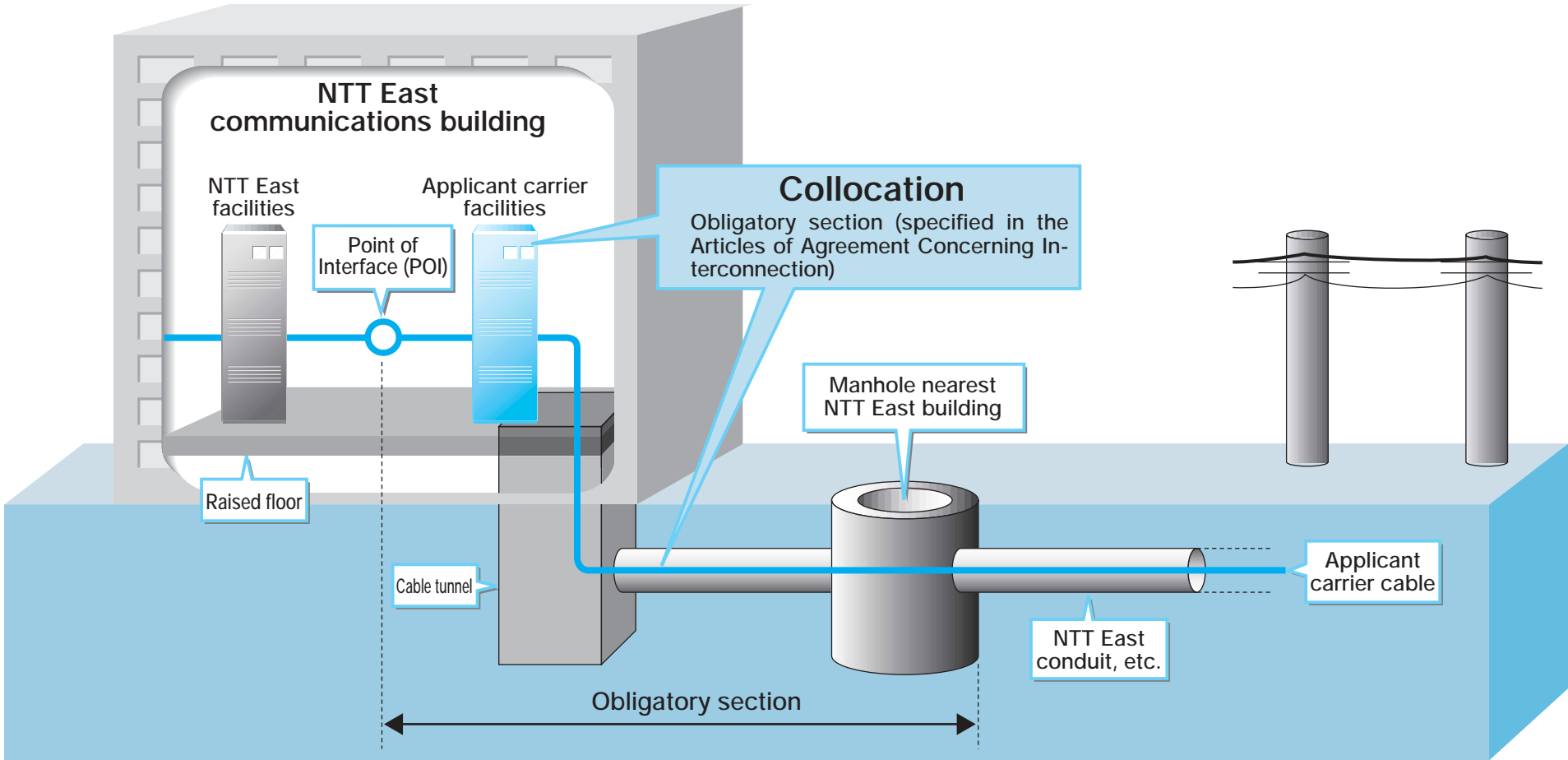
Explanation

- 1 We consider the Interconnection Application as constituting the applicant carrier's formal declaration of its intent to establish interconnection with the NTT East networks.
- 2 Please specify the POI installation site, the number of connected lines per POI and the requested service start timing. Please complete these entries on the basis of the POI survey results.
- 3 Interconnection applications are accepted in the order in which they are received except for the following cases. Applicant carriers will be notified in writing when the application is accepted. In case an application cannot be accepted, we will provide written notification explaining the reasons.
 - (1) Cases raising any concern that the smooth provision of telecommunications service will be hindered.
 - (2) Cases raising any concern that NTT's interests will be unduly damaged by the interconnection.
 - (3) The applicant carrier has failed or is likely to fail to pay any amount payable with respect to interconnection.
 - (4) Cases in which the installation or modification of telecommunications line facilities to execute interconnection is extremely difficult from a technical or economic standpoint.

- 2 Collocation

Collocation means installing the applicant carrier equipment, etc., necessary for interconnection ¹ in an NTT East communications building, etc., ² in establishing interconnection with NTT East networks. We will meet the requests of applicant carriers by announcing the conditions, etc., for providing a site in an NTT East communications building where the applicant carrier equipment, etc., necessary for interconnection is installed.

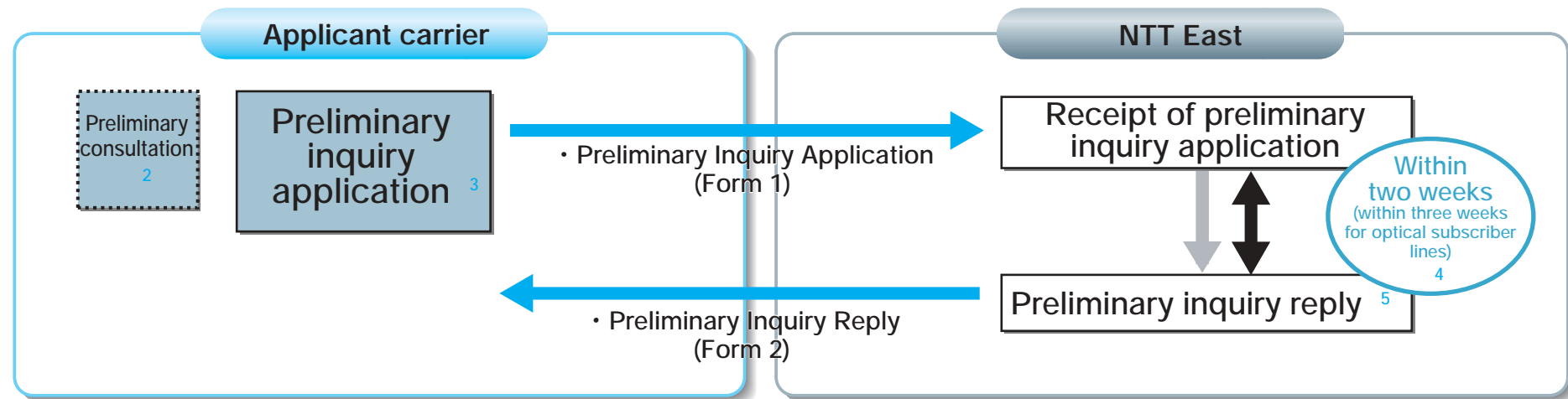
- 1 This includes transmission equipment, cable and other equipment owned by an applicant carrier that is necessary for interconnection (meaning the telecommunications facilities whose installation within an NTT East communications building, etc., is reasonably considered necessary in view of the technical and economic alternatives).
- 2 This includes the NTT East communications building, conduits and cable tunnels for the section between such communications building and the nearest available manhole designated by NTT East, and telephone poles installed within the premises of such communications building.



- 2 - Preliminary Inquiry Application

In addition to the POI survey (the survey conducted on the basis of the equipment specifications indicated in advance by the applicant carrier), NTT East will provide information on the NTT East communications building, etc. ¹, where the equipment is to be collocated and information concerning interconnection to optical fiber facilities at the request of the applicant carrier.

☞ Article 10-2 of the Articles of Agreement Concerning Interconnection



Explanation

- The NTT East communications building, etc., for which information is provided under the preliminary inquiry includes conduits and cable tunnels for the section between such communications building and the nearest available manhole designated by NTT East, in addition to the NTT East communications building.
- We will provide consultation (free-of-charge) at the request of an applicant carrier. Specifically, we will provide consultation about any questions, etc., in completing the application forms for a POI survey, a line facility survey and/or a preliminary survey. (Please see Page 53 for contact numbers.)
As this preliminary consulting is not part of the essential procedures, applicant carriers that do not wish to participate in this process can start the procedures for the POI survey application without any preliminary consulting.
- NTT East will provide the following information prior to the POI installation application (this process is not part of the essential procedures).
The location and dimensions of a site within the NTT communications building where the equipment, etc., necessary for interconnection ^{Note 1} can be installed by the applicant carrier.
Information concerning power and air-conditioning facilities, raised floors and other peripheral facilities used in conjunction with installing the equipment, etc., necessary for interconnection that are available for usage by the applicant carrier at the site specified in .
The location of the MDF that can be used in installing the equipment, etc., necessary for interconnection at the communications building specified in , the number of all MDF terminals and the number of unused terminals; and the location of the optical main distribution frame, the number of all optical main distribution frame terminals and the number of unused terminals.
The number of all cores and the number of unused cores with respect to optical line facilities in the section designated by the applicant carrier (limited to optical fiber facilities within the same prefecture).
The location of the termination site of the transmission line facilities used to install optical subscriber lines in the section designated by the applicant carrier.
Whether it is possible to change the subscriber lines that include the optical fiber lines designated by the applicant carrier to metallic lines without changing the telephone numbers.
The available timing ^{Note 2} of the optical subscriber line with respect to the usage section designated by the applicant carrier,

er, the number of cores to be used and the requested interconnection start timing, and the transmission loss ^{Note 3}

Other information related to matters that need to be entered in the POI Survey Application or the Line Facility Survey Application.

- NTT East will accept an application upon confirming that all necessary items have been entered in the Preliminary Inquiry Application. NTT East will provide information relating to the relevant inquiry in writing within two weeks (within three weeks for information specified in ³ with respect to optical subscriber lines) from the date of receipt of a preliminary inquiry application (meaning the date when the application is received by the handling office designated by NTT East; hereinafter the same). However, if special situations are involved such as those in which a large number of applications are simultaneously received or in which a large number of applications have already been received from other carriers, NTT East may require a period of more than two weeks (three weeks for information specified in ³ with respect to optical subscriber lines) from the date of receipt of an application before providing a response. In case the applicant carrier desires to use an NTT East indoor fiber line already installed as part of the optical subscriber line and if time is required to conduct a survey on the relevant indoor fiber line, the same shall apply with respect to the usage of the relevant indoor fiber line.
- At the stage of the preliminary inquiry reply, NTT East does not make reservations with respect to the unused site and the facilities that can be used by the applicant carrier at this site (meaning power and air-conditioning facilities, raised floors and other peripheral facilities used in conjunction with installing the equipment, etc., necessary for interconnection, unused MDF terminals, unused optical main distribution frame terminals and unused cores of optical line facilities), which are specified in the information provided.

(Note 1) Equipment, etc., necessary for interconnection includes the transmission equipment, cable or other equipment of applicant carriers that is necessary for interconnection (meaning the telecommunications facilities whose installation within the NTT communications building, etc., is reasonably considered necessary in view of technical and economic alternatives)

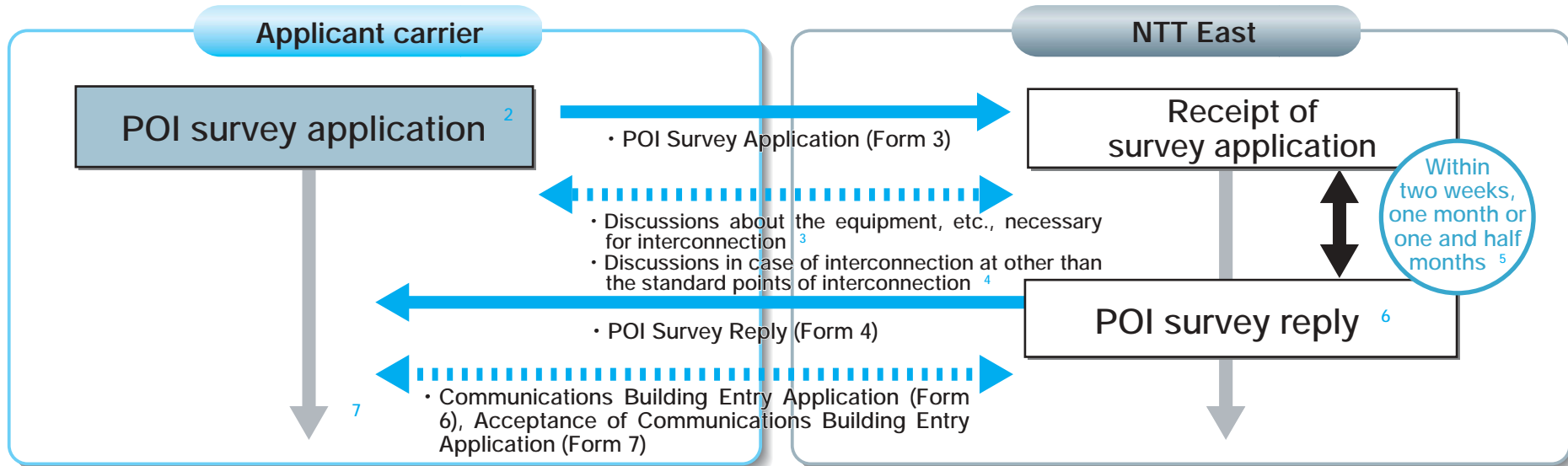
(Note 2) There may be cases in which the requested interconnection cannot be provided at the notified timing if coordination between the applicant carrier and the superintendent of the user building concerning the installation, etc., of the optical subscriber line (including coordination at the time of the entry into the relevant building by NTT East to install the optical subscriber line) cannot be fully arranged in advance.

(Note 3) Based on the calculated value.

- 2 - POI Survey Application

In response to an application for the installation of the POI at the standard points of interconnection, we will reply in writing whether or not the requested installation is possible within one month¹ from the date of receipt of the application if the installation site is totally within the communications building, and within one and half months in other cases.

👉 Articles 10-3 and 10-5 of the Articles of Agreement Concerning Interconnection



Explanation

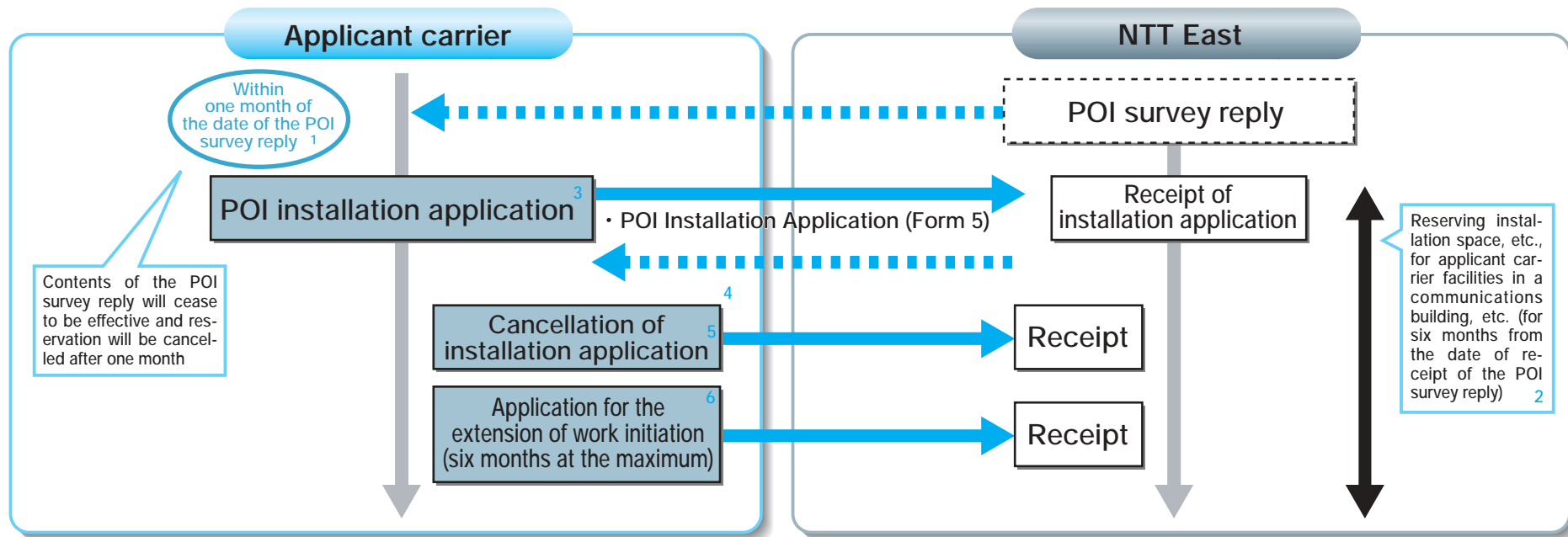
- 1 NTT East will provide a reply within two weeks from the date on which the application specified in Paragraph 1, Article 10-3 is received with respect to cases in which the range under review is limited to the area within a communications building and in which it is clear that there is no need for a study on the installation or modification of power and air-conditioning facilities, raised floors and other peripheral facilities used in conjunction with installing the equipment, etc., necessary for interconnection that can be used by the applicant carrier.
- 2 A POI survey application can be submitted simultaneously with a line facility survey application and a preliminary survey application.
Please attach documentation to the POI Survey Application specifying that the equipment, etc., to be installed in the NTT East communications building, etc., is the equipment, etc., necessary for interconnection.
* If it is clear that a study by NTT East is not necessary such as cases in which the relevant equipment, etc., has already been installed in the NTT East communications building, etc., please attach only the documentation (in any form) indicating such.
- 3 If NTT East considers that the equipment, etc., whose installation is requested by the applicant carrier is not that which is necessary for interconnection, NTT may request discussions. If, as a result of such discussions, it becomes clear that the relevant equipment, etc., is not that which is necessary for interconnection, we will provide written notice of the reasons.
- 4 The installation of any POI at locations other than a standard point of interconnection will be determined by discussion.
- 5 With respect to the discussion period as specified in 3 and 4, the provisions for a reply deadline of

- 6 "within two weeks, one month or one and half months" shall not apply.
NTT East will provide a written reply indicating that the requested POI installation is possible if the relevant application does not fall under cases in which there is no space to install the applicant carrier facilities or in which the relevant installation may likely cause considerable hindrance to the functions of the communications building, etc. We will also provide a written notice of the reasons in case such installation is not possible.
The basic approach in providing a survey reply is to make it possible to minimize the costs incurred by the applicant carrier by securing the shortest possible distance between the POI and the site where the applicant carrier facilities are installed and by other methods based on the requirements of the applicant carrier. We will not designate a site larger than the area needed for the installation of the equipment, etc., necessary for interconnection against the wishes of the applicant carrier.
If the available space units to install the equipment, etc., necessary for interconnection within the NTT East communications building, etc., are below the standard management units, we will provide a response to the effect that a POI may be established in the requested communications building within the range of the maximum allocation units with respect to the available space management items that are below the standard management units. (This shall not apply to cases in which space units reserved by the applicant carrier within the relevant communications building exceed the maximum allocation units or in which the MDF terminal usage ratio of the applicant carrier is less than 0.5.)
- 7 When the applicant carrier for the POI survey wishes to enter the relevant NTT East communications building to confirm the contents of the survey reply (with respect to both possible and not possible cases), the applicant carrier is required to submit documentation five business days prior to the planned entry date. We will issue a written approval within two business days from the application date in principle. (We will issue a written notice of the reasons in case we cannot accept the application).

- 2 - POI Installation Application

Please submit a POI installation application within one month ¹ of the date of the survey reply. Upon receiving this application, NTT East will reserve installation space, etc., for the applicant carrier facilities in an NTT East communications building. (The reservation is valid for a period of six months ² from the date of the survey reply.)

☞ Articles 10-4, 10-6, 10-7, 10-8, 78-3, and 95 of the Articles of Agreement Concerning Interconnection



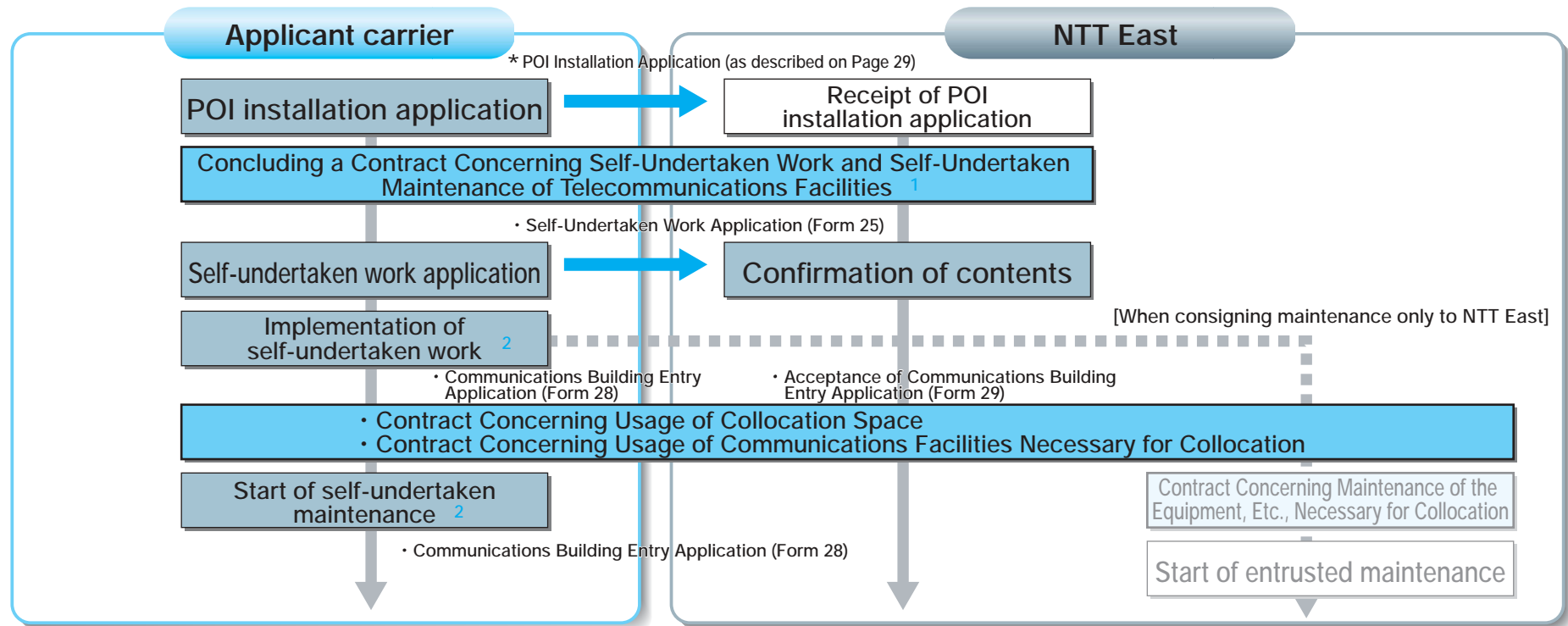
Explanation

- 1 If the applicant carrier applies for an extension by means of documentation indicating the reasons therefor, an extension up to three months is possible.
- 2 In the event installation work is not initiated within six months from the date of the POI survey reply, the contents of the reply will cease to be effective, and the reservation will be cancelled. Similarly, such contents will cease to be effective and the reservation will be cancelled with respect to any portions for which work is not initiated in case work is partially commenced. It is deemed that the POI installation application is cancelled on the date of the reservation cancellation, and the applicant carrier is required to pay a penalty.
- 3 In the event of making an application for the installation of a POI at a site other than an NTT East communications building, NTT East will approve such application only when the following three conditions are satisfied.
 - The interconnection is made in such a way that clearly separates the responsibility for the provision of telecommunications service to subscribers, and which makes a clear distinction with respect to the fixed assets and maintenance responsibilities.
 - The POI is installed at a site where security and reliability can be adequately maintained.
- 4 No significant hindrance is otherwise caused to NTT East's business activities.
- 4 In light of congestion or other usage conditions pertaining to a site, etc., in the relevant communications building, etc., NTT East may request the applicant carrier to enter into consultations concerning the cancellation of the reserved space.
- 5 In the event of canceling an installation application before the completion of the installation work, the applicant carrier is required to pay an amount equivalent to the equipment usage charges (limited to those relating to the power reception and generation equipment) for a period from the date the installation application is received to the date the application is cancelled as a penalty.
- 6 In the event the applicant carrier applies for an extension in initiating the work by using a POI Installation Work Initiation Extension Application, an extension of 12 months at the maximum from the date of the POI survey reply will become possible, except for cases in which special circumstances such as those attributable to the applicant carrier necessitate such an extension. In this case, it is deemed that the usage of the space and the power reception and generation equipment is started on the day when six months have passed from the date of the POI survey reply, and the applicant carrier is required to pay the collocation space fee (housing charges) and the equipment usage charges (limited to those relating to the power reception and generation equipment).

- 2 - Self-Undertaken Work and Maintenance by Applicant Carriers

In the event the applicant carrier implements the installation and maintenance of the equipment, etc., necessary for interconnection, a Contract Concerning Self-Undertaken Work and a Collocation Space Usage Contract are executed. In case the applicant carrier consigns equipment maintenance to NTT East, an Entrusted Maintenance Contract is concluded in place of a Collocation Space Usage Contract.

👉 **Articles 95 and 95-3 of the Articles of Agreement Concerning Interconnection**



Explanation

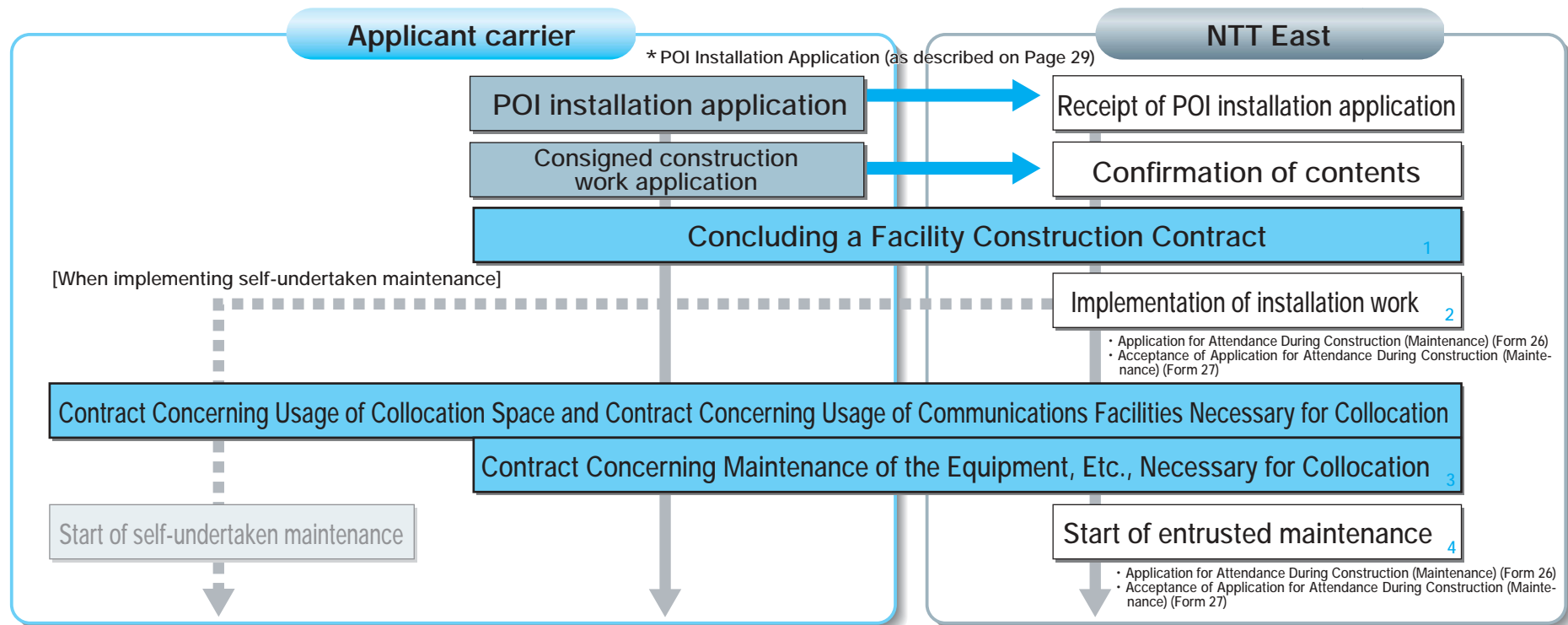
- ¹ If an applicant carrier implements installation work for its facilities under certain conditions, a Contract Concerning Self-Undertaken Work and Self-Undertaken Maintenance of Telecommunications Facilities will be concluded.
- ² The applicant carrier or the person(s) designated by the applicant carrier may enter the NTT East communications building, etc., for the installation and maintenance of the applicant carrier's facilities (the equipment, etc., necessary for interconnection). In requesting entry, please submit documentation five business days prior to the planned entry date. We will issue a written approval within two business days from the application date in principle. (We will issue a written notice of the reasons in case of not accepting the application). In case of entry to repair a fault or for other emergency and unavoidable reasons, advance notice can be provided on the same day of entry. When the applicant carrier implements the installation and maintenance of the equipment, etc., necessary for

interconnection, a person designated by NTT East will be physically present when the relevant equipment, etc., is connected to or disconnected from the NTT East telecommunications facilities and/or power facilities and during any deliveries of the relevant equipment, etc. While no special conditions are imposed on installation companies that carry out work within the installation area of the applicant carrier facilities, certain standards are applied to installation companies that carry out work beyond the installation space of the applicant carrier facilities, such as connecting lines to NTT East's power lines and/or communications lines. (See Page 33.) The space fee is also required during installation work.

- 2 - Installation and Maintenance by NTT East

If the applicant carrier consigns the installation and maintenance of the equipment, etc., necessary for interconnection at a POI to NTT East, a Facility Construction Contract, a Contract Concerning Usage of Collocation Space and a Contract Concerning Maintenance of the Equipment, Etc., Necessary for Collocation are concluded. If the applicant carrier implements maintenance for its facilities on its own, it is not necessary to conclude a Contract Concerning Maintenance of the Equipment, Etc., Necessary for Collocation.

👉 **Articles 95 and 95-2 of the Articles of Agreement Concerning Interconnection**



Explanation

1 This contract is also concluded when the applicant carrier installs the equipment, etc., necessary for interconnection on its own and part of such installation work is consigned to NTT East.

1 and 3

The expenses to be borne by the applicant carrier under a Facility Construction Contract, a Contract Concerning Usage of Collocation Space, a Contract Concerning Usage of Communications Facilities Necessary for Collocation and a Contract Concerning Maintenance of the Equipment, Etc., Necessary for Collocation will be calculated in accordance with the provisions in the Tables of Charges (Table 2-2 and Table 3) in the Articles of Agreement Concerning Interconnection.

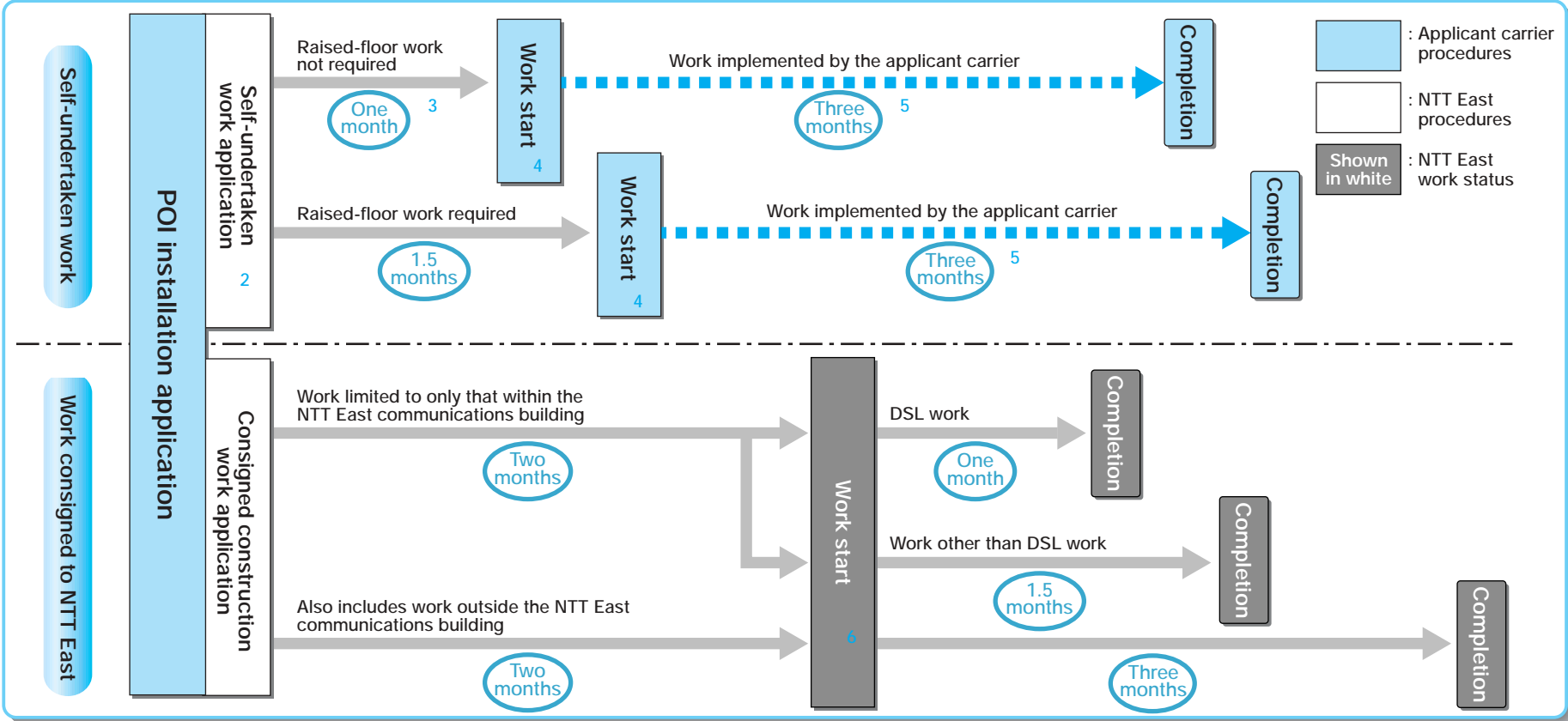
2 and 4

When NTT East installs or carries out maintenance of the applicant carrier facilities, the applicant carrier (including any person(s) designated by the applicant carrier) may enter the NTT East communications building, etc., to be physically present during such work, etc. In making such entry, please submit documentation five business days prior to the planned entry date. We will issue a written approval within two business days from the application date in principle. (We will issue a written notice of the reasons in case we cannot accept the application). In case of entry by the applicant carrier to be physically present for repairs of a fault that are carried out by NTT East on the basis of the Entrusted Maintenance Contract or for other emergency and unavoidable reasons, advance notice can be provided on the same day of entry.

(Reference) Standard Lead-Time for Collocation

NTT East will complete preparations within the following periods ¹ for the installation of the applicant carrier equipment, etc., necessary for interconnection at the POI.

☞ Articles 10-4, 95 and 95-4 of the Articles of Agreement Concerning Interconnection



¹ These periods may be exceeded in the event special work is necessary, such as when the installation and/or modification of power equipment, storage batteries or power reception and generation equipment is required because the existing capacity of such equipment would be exceeded if power were supplied to the equipment, etc., necessary for interconnection in establishing interconnection, or when the scale of work under the Facility Construction Contract is extensive (meaning cases in which the consigned work expenses at the relevant POI on the basis of the Facility Construction Contract total ¥5 million or more).
 The indicated lead-time does not include any period required by an applicant carrier for study, the time required to secure a road occupancy permit, road usage permit, etc., to install the equipment, etc., necessary for interconnection (the period from an application to obtaining a permit), or the time elapsed due to any force majeure such as natural disasters or otherwise due to the reasons not attributable to NTT East.

² In the event the period from the planned work start date indicated in the Self-Undertaken Work Application to the requested power equipment usage start date exceeds three months, please indicate the reasons in the Self-Undertaken Work Application and submit it to NTT East.

³ Within two weeks: In the event of installing the equipment, etc., necessary for interconnection or any related facilities of the applicant carrier at a site where relevant equipment, etc., has already been installed by the applicant carrier and when there is no need for the modification of the facilities available to the applicant carrier, including the power and air-conditioning facilities, raised floors or other peripheral equipment used in conjunction with installing the equipment, etc., necessary for interconnection.

⁴ The payment of the space fee (housing charges) is required during the work period. The payment of collocation expenses is required from the requested power equipment usage start date designated by the applicant carrier in advance at the time of making the work application or the date on which preparations for NTT East's power facilities are completed, whichever is later. In the event the applicant carrier does not start the usage of new power facilities, the payment of collocation expenses is required from the planned work completion date indicated by the applicant carrier in the Self-Undertaken Work Application or the date on which self-undertaken work is completed, whichever is earlier.

⁵ NTT East may request discussions with an applicant carrier in case the work period exceeds three months.

⁶ The payment of collocation expenses is required from the planned work completion date or the date on which preparations for power facilities are completed, whichever is later.

(Reference) Standards for Eligible Installation Contractors for Self-Undertaken Work

The requirements for installation contractors when the applicant carrier installs the equipment, etc., necessary for interconnection at the NTT East communications building, etc. are as follows.

1. Work within the installation space of the applicant carrier facilities
 - No special requirements or conditions are imposed.
2. Work outside the installation space of the applicant carrier facilities

The contractor must have a license for telecommunications construction work under the Construction Industry Law, and have a current rating of 1,000 or more points in the management item examination for telecommunications business under the Construction Industry Law.

Eligible companies include NTT East and companies with which NTT East now has outsourcing contracts.

With respect to the connection and disconnection of common-channel signaling lines and communications power lines and the processes that may have an impact on all facilities within the building in case of work errors such as work on live power facilities, however, such processes must be handled by companies that have experience in the relevant process. (Experience in the relevant process means experience in work on NTT East facilities or facilities similar to NTT East facilities.)

Reference

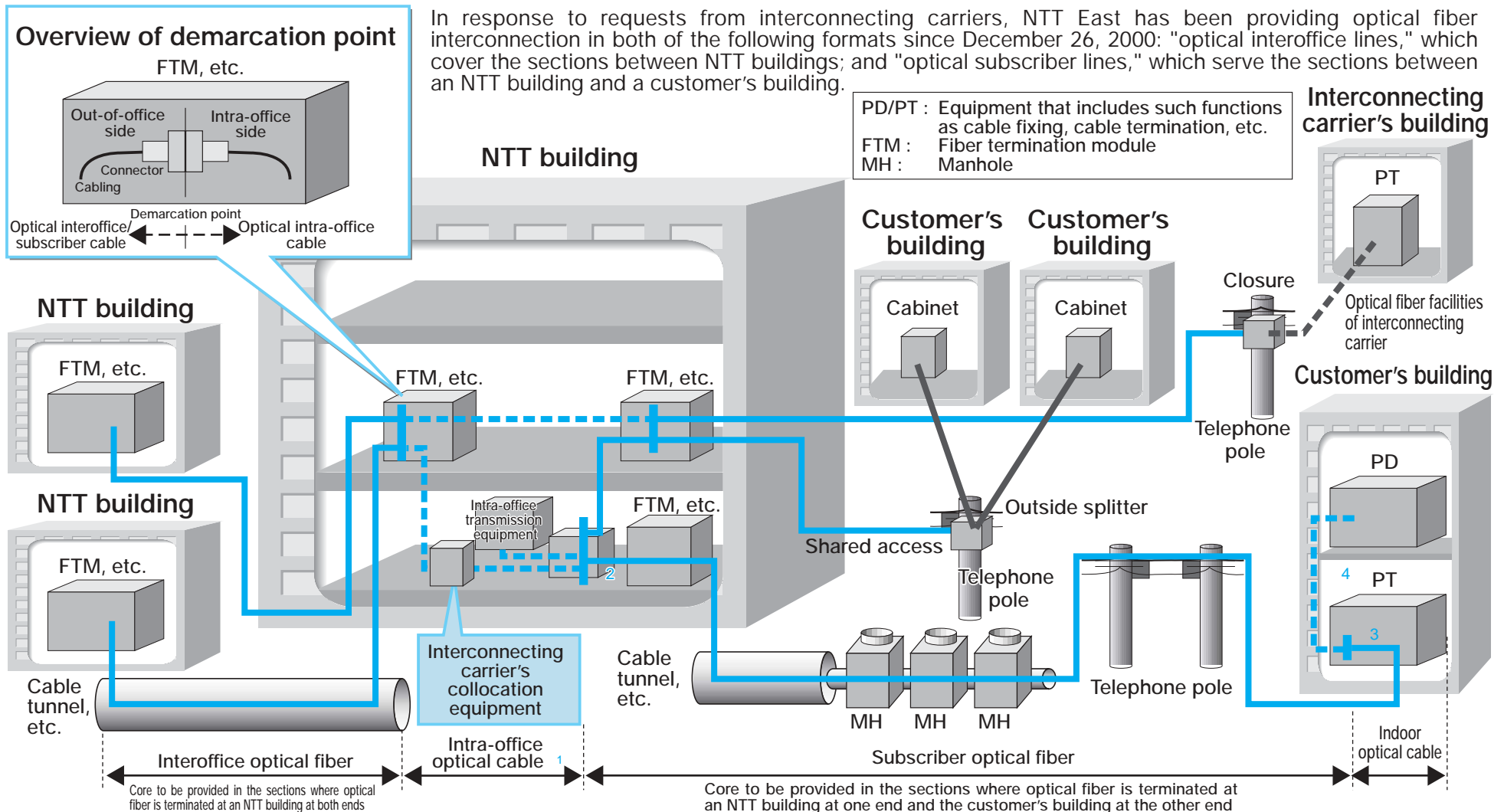
The latest data on the results of the management item examination are available on the Homepage of the Construction Industry Information Center (<http://www.ciic.or.jp/>).

Companies with ratings of 1,000 or more points (as of November 30, 2002) are listed on the NTT East Homepage (http://www.neet-east.co.jp/info-st/info_dsl/shinsa1000.html).

Companies with which NTT East now has outsourcing contracts

- | | | | |
|-------------------|--------------------|--------------------|---------------------------|
| • NTT InfraNet | • NTT-ME Ibaraki | • NTT-ME Tohoku | • NTT-ME Hokkaido |
| • NTT-ME | • NTT-ME Tochigi | • NTT-ME Fukushima | • NTT Facilities |
| • NTT-ME Tokyo | • NTT-ME Gunma | • NTT-ME Yamagata | • NTT Facilities Chuo |
| • NTT-ME Kanagawa | • NTT-ME Yamanashi | • NTT-ME Akita | • NTT Facilities Tohoku |
| • NTT-ME Chiba | • NTT-ME Nagano | • NTT-ME Iwate | • NTT Facilities Hokkaido |
| • NTT-ME Saitama | • NTT-ME Niigata | • NTT-ME Aomori | |

- 3 Configuration of Optical Fiber Facilities

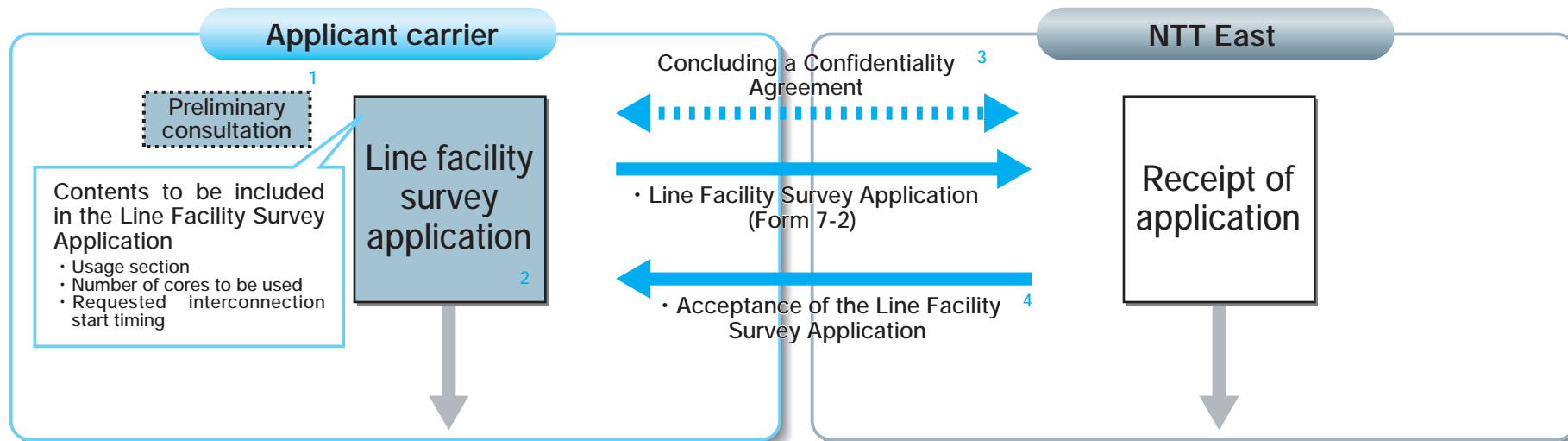


1 In other than NTT buildings, there are cases in which we use cable installed by the building owner at the instructions of the building owner. The conditions under which service is provided in such cases depend on the building owner.
 2 This connection format is applied in the case of a building in which intermediate distribution frames are installed.
 3 With respect to the indoor optical cable section, permission from the building superintendent for our staff to enter the building is required through the end user who is a tenant of this building, interconnecting carrier, etc., in principle. In this case, we ask the interconnecting carrier requesting the survey application to deal with the end user, etc., and obtain appropriate permission from the building superintendent.
 4 This cable is provided if an NTT indoor optical cable has already been installed and there is unused cable that can be provided.

- 3 - Line Facility Survey Application (Interconnection to Optical Interoffice Lines)

In establishing interconnection to NTT East interoffice optical fiber facilities, please submit a Line Facility Survey Application that specifies the requested conditions of the applicant carrier concerning interconnection. NTT East will conduct a survey on the availability of interoffice optical fiber facilities under the usage conditions requested by the applicant carrier in terms of the number of cores and usage timing. NTT East will also provide information on the facilities that become necessary to use interoffice optical fiber facilities (type of optical fiber, type of connector, length, transmission loss, the floor on which the fiber termination module is installed, etc.).

Article 34-2 of the Articles of Agreement Concerning Interconnection

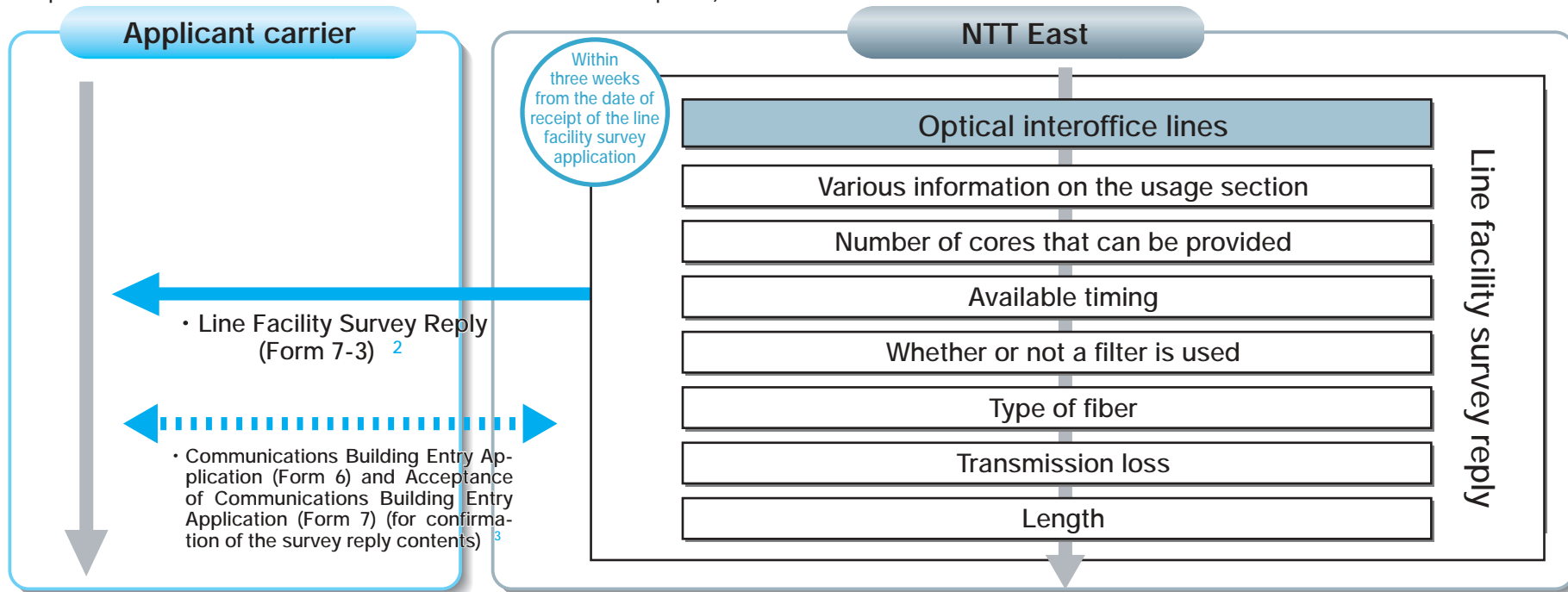


Explanation

- 1 We will provide consultation (free-of-charge) at the request of an applicant carrier. Specifically, we will provide consultation about any questions, etc., in completing an application form for a line facility survey. (Please see Page 53 for contact numbers.)
As this preliminary consulting is not part of the essential procedures, applicant carriers that do not wish to participate in this process can start the procedures for the line facility survey application without any preliminary consulting.
- 2 Eligible applicants for line facility surveys are limited to telecommunications carriers.
*Entities other than telecommunications carriers must obtain registration of telecommunications business or submit such notification by the time an agreement is concluded.
Please complete all required items in the application form.
A line facility survey application, a preliminary survey application and a POI survey application can be submitted simultaneously.
It is not necessary to make an application for a preliminary survey prior to a line facility survey application. A preliminary inquiry application and a line facility survey application can be submitted simultaneously.
- 3 With respect to applicant carriers with whom we are initiating discussions for the first time, please note that it is necessary to conclude a confidentiality agreement in providing information related to NTT East security matters and intellectual property rights. We will also handle applicant carrier information that is acquired in the course of discussions concerning interconnection in accordance with the confidentiality agreement.
- 4 NTT East will accept an application upon confirming that all necessary items have been completed in the Line Facility Survey Application.

- 3 - Line Facility Survey Reply (Interconnection to Optical Interoffice Lines)

Within three weeks from the date of receipt of the line facility survey application, a reply will be provided on the availability of interoffice optical fiber facilities in terms of the number of cores requested and the requested start timing. ¹ In case the facilities cannot be provided by the requested timing, we will provide a written notification indicating the reasons and the available timing ² (except for cases in which there are no additional installation plans). ³ **Articles 34-2 and 34-5 of the Articles of Agreement Concerning Interconnection**



Explanation

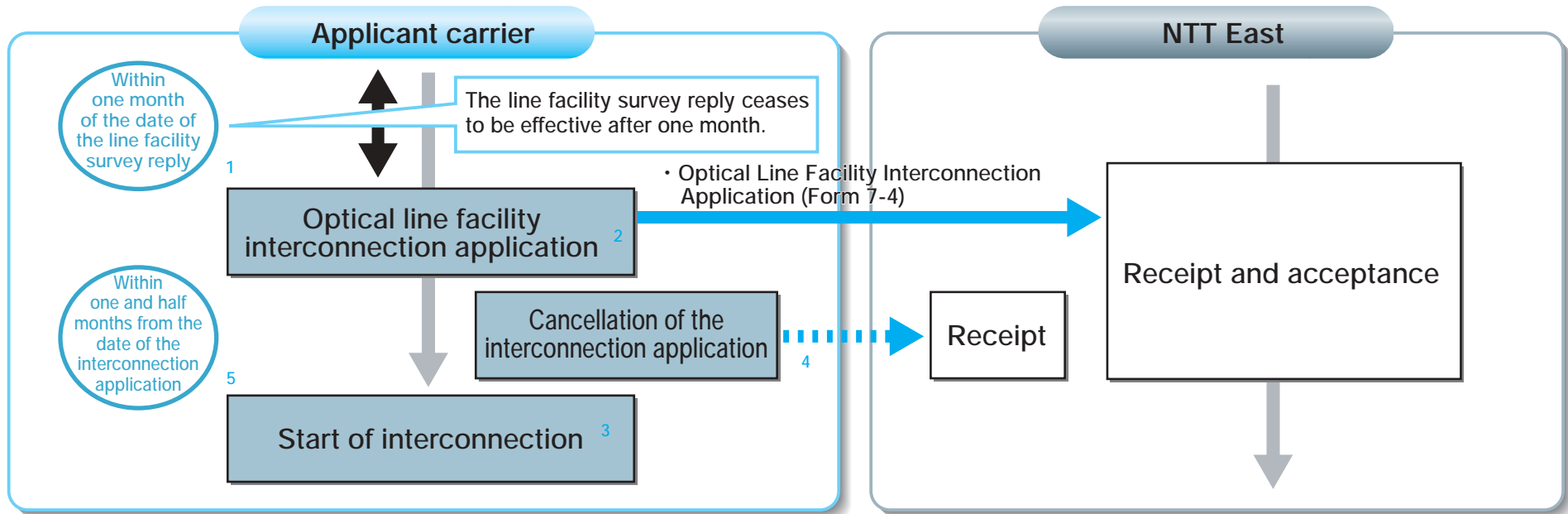
¹ (1) NTT East provides a reply within one month of the date of receipt of the application only when none of the following items is applicable.
 There are no unused cores in the interoffice optical fiber facilities in the section designated by the applicant carrier, nor are there any plans to install interoffice optical fiber facilities in the relevant usage section.
 With respect to any unused cores in the interoffice optical fiber facilities in the section designated by the applicant carrier, there are already usage plans that do not allow other usage applications and there are no plans to install interoffice optical fiber facilities in the relevant usage section.
 Cases raising any concern that the smooth provision of telecommunications service by NTT East may be hindered.
 Cases raising any concern that NTT East's interests may be unduly damaged by the interconnection.
 The applicant carrier has failed or is likely to fail to pay any amounts payable with

respect to interconnection to interoffice optical fiber facilities.
⁽²⁾ In case interoffice optical fiber facilities that can be interconnected cannot be identified and there are plans to install interoffice optical fiber facilities, the timing when interconnection is expected to be available will be indicated in our reply. When the available timing becomes clear, another notification will be provided on such available timing.
⁽³⁾ If special situations are involved such as those in which a large number of line facility survey applications are simultaneously received or in which a large number of line facility survey applications have already been received from other interconnecting carriers, NTT East may exceed the period of three weeks from the date of receipt of an application before providing a response.
² With respect to the requested conditions specified in the Line Facility Survey Application by the applicant carrier, this reply indicates the available timing, the number of cores that can be provided, etc. (if the facilities cannot be provided by the requested timing, this reply also indicates the reasons therefor).
³ In the event interoffice optical fiber facilities cannot be provided by the requested interconnection start timing because there are no unused cores in the section designated by the applicant carrier and if the applicant carrier wishes to enter the relevant communications building to confirm the contents of the survey reply, the applicant carrier is required to submit documentation at least five business days prior to the planned entry date. We will issue a written approval within two business days from the application date in principle. (We will issue a written notice of the reasons in case we cannot accept the application). In such cases, the number of persons entering the building is limited to that necessary for the intended purposes.

- 3 - Optical Line Facility Interconnection Application (Interconnection to Optical Interoffice Lines)

Within one month from the date of the line facility survey reply, ¹ please submit a formal application for interconnection to line facilities pursuant to the contents of the reply.

☞ Articles 34-3 and 78-2 of the Articles of Agreement Concerning Interconnection



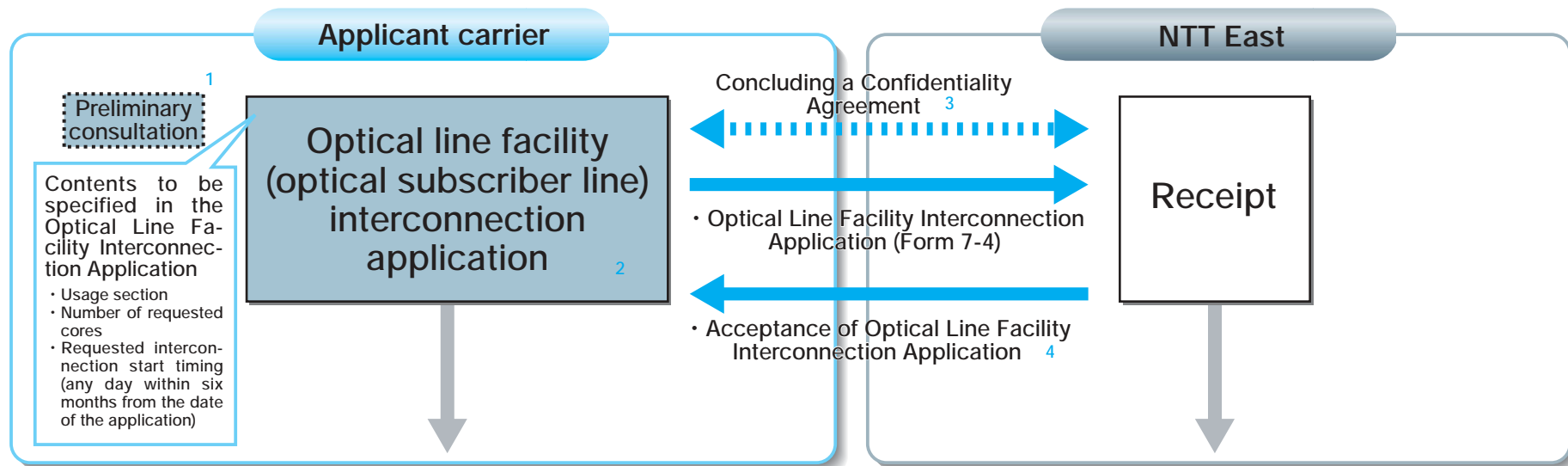
Explanation

- 1 If the applicant carrier applies for an extension by means of documentation indicating the reasons therefor, an extension up to three months is possible.
- 2 We consider the Optical Line Facility Interconnection Application as constituting the applicant carrier's formal declaration of its intent to use optical fiber facilities.
- 3 Interconnection must be started within six months from the date of receipt of the line facility survey reply or within three months from the date on which service becomes available, whichever is later.
- 4 In the event of canceling an interconnection application before the start of interconnection, the applicant carrier is required to pay an amount equivalent to the interconnection charges as a penalty for a period from the date of the interconnection application to the date the application is cancelled.
- 5 This reply deadline is not applied to cases involving special situations such as those in which a large number of applications are simultaneously received or in which a large number of applications have already been received.

- 4 - Optical Line Facility Interconnection Application (Interconnection to Optical Subscriber Lines)

In establishing interconnection to NTT East subscriber optical fiber facilities, please confirm the available areas on the NTT website and submit the Optical Line Facility Interconnection Application in which the conditions requested by the applicant carrier concerning interconnection are specified.

Article 34-4 of the Articles of Agreement Concerning Interconnection

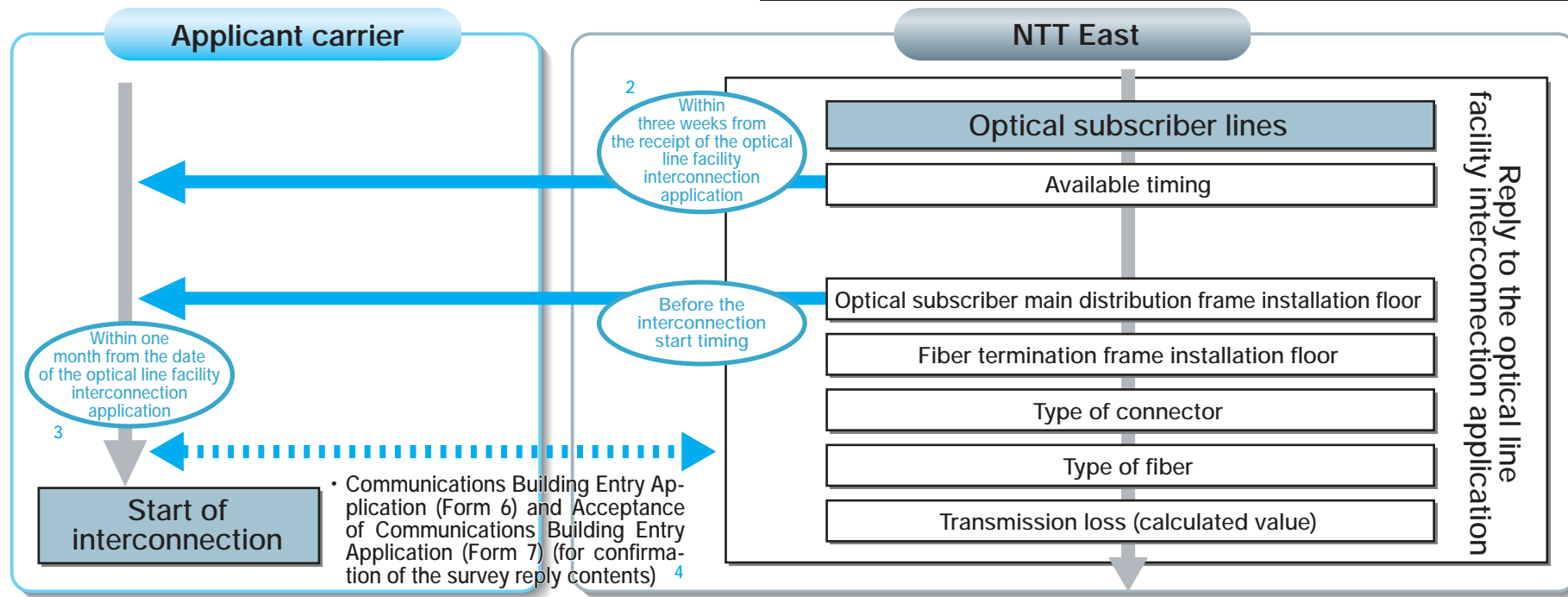


Explanation

- 1 We will provide consultation (free-of-charge) at the request of an applicant carrier. Specifically, we will provide consultation about any questions, etc., in completing an application form for optical line facility interconnection. (Please see Page 53 for contact numbers.)
As this preliminary consulting is not part of the essential procedures, applicant carriers that do not wish to participate in this process can start the procedures for the optical line facility interconnection application without any preliminary consulting.
- 2 Because subscriber optical fiber availability depends on the "Areas where subscriber optical fiber is available" indicated on the website, please confirm this information before applying for optical line facility interconnection.
Eligible applicants for optical line facility interconnection are limited to telecommunications carriers.
*Entities other than telecommunications carriers must obtain registration of telecommunications business or submit such notification by the time an agreement is concluded.
Please complete all required items in the application form.
- 3 An optical line facility interconnection application, a preliminary survey application, and a POI survey application can be submitted simultaneously. It is not necessary to make an application for a preliminary survey prior to an optical line facility interconnection application. A preliminary inquiry application and an optical line facility interconnection application can be submitted simultaneously.
Please apply after confirming the intended usage of the end-user.
- 4 With respect to applicant carriers with whom we are initiating discussions for the first time, please note that it is necessary to conclude a confidentiality agreement in providing information related to NTT East security matters and intellectual property rights. We will also handle applicant carrier information that is acquired in the course of discussions concerning interconnection in accordance with the confidentiality agreement.
- 5 NTT East will accept an application upon confirming that all necessary items have been completed in the Optical Line Facility Interconnection Application.

- 4 - Optical Line Facility Interconnection Application (Interconnection to Optical Subscriber Lines)

Within three weeks from the date of receipt of the optical line facility interconnection application, a reply will be provided on the availability of subscriber optical fiber facilities in the usage section designated by the applicant carrier in terms of the requested start timing. ¹ In case the facilities cannot be provided by the requested timing, we will provide a written notification indicating the reasons. 👉 **Articles 34-4 and 34-5 of the Articles of Agreement Concerning Interconnection**



Explanation

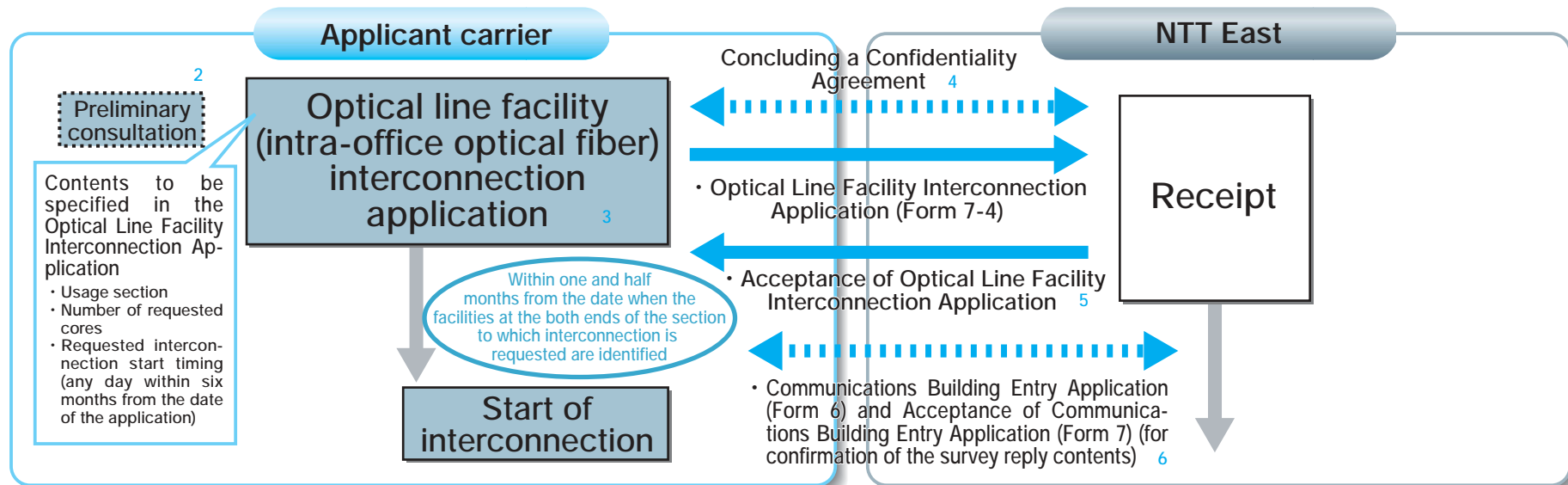
- ¹ NTT East provides a reply within three weeks of the date of receipt of the application only when none of the following items is applicable.
 - (1) There are no unused cores in the subscriber optical fiber facilities in the section designated by the applicant carrier, nor are there any plans to install subscriber optical fiber facilities in the relevant usage section.
 - (2) With respect to any unused cores in the subscriber optical fiber facilities in the section designated by the applicant carrier, there are already usage plans that do not allow other usage applications and there are no plans to install subscriber optical fiber facilities in the relevant usage section.
 - (3) Cases raising any concern that the smooth provision of telecommunications service by NTT East may be hindered.
 - (4) Cases raising any concern that NTT East's interests may be unduly damaged by the interconnection.
 - (5) The applicant carrier has failed or is likely to fail to pay any amount payable with respect to interconnection to subscriber optical fiber facilities.
- ² If special situations are involved such as those in which a large number of applications are simultaneously received or in which a large number of applications have already been received from other applicant carriers, NTT East may exceed the period of three weeks from the date of receipt of an application before providing a response. In the case of requesting the usage of NTT East's indoor optical fiber already installed as part of the optical subscriber line and if time is required to conduct a survey on the relevant indoor optical fiber, the same shall apply with respect to the usage of the relevant indoor optical fiber.
- ³ The available timing will be within one month from the date of receipt of the application for cases in which the optical

- subscriber line to be interconnected can be identified and there are optical subscriber lines already installed up to the fiber termination frame in the user building unless special situations are involved, such as those in which a large number of applications are simultaneously received or in which a large number of applications have already been received from other interconnecting carriers. In case of requesting the usage of NTT East indoor optical fiber already installed as part of the optical subscriber line and if time is required for preparations to make the relevant indoor optical fiber available, this one-month period from the receipt of the application may be exceeded.
- This means the period required for NTT East to make the relevant optical subscriber line available from the date of receipt of the application for cases in which there are no optical subscriber lines already installed up to the fiber termination frame in the user building or such special situations are involved.
- This period will become the timing when interconnection is expected to be available (this period does not include the time required for NTT East to make the optical subscriber line available) for cases in which the optical subscriber line to be interconnected cannot be identified and in which there are plans to install optical subscriber lines in the usage section designated by the applicant carrier. There may be cases in which the optical subscriber line cannot be provided at the indicated timing if coordination between the applicant carrier and the superintendent of the user building concerning the installation, etc., of the optical subscriber line cannot be fully arranged in advance.
- ⁴ In the event subscriber optical fiber facilities cannot be provided by the requested interconnection start timing because there are no unused cores in the section designated by the applicant carrier and if the applicant carrier wishes to enter the relevant communications building to confirm the contents, the applicant carrier is required to submit documentation at least five business days prior to the planned entry date. We will issue a written approval within two business days from the application date in principle. (We will issue a written notice of the reasons in case we cannot accept the application). In such cases, the number of persons entering the building is limited to that necessary for the intended purposes.

- 5 Optical Line Facility Interconnection Application (Interconnection to Optical Intra-Office Lines)

When an application is made for optical line facility (intra-office optical fiber) interconnection, NTT East will make efforts to complete the interconnection preparations within one and half months from the date when the facilities at the both ends of the section to which interconnection via intra-office optical fiber facilities is requested are identified. ¹

Articles 34-4 and 34-5 of the Articles of Agreement Concerning Interconnection



Explanation

- NTT East will make efforts to complete the interconnection preparations within two months only when none of the following items is applicable.
 - There are no unused cores in the intra-office optical fiber facilities in the section designated by the applicant carrier, nor are there any plans to install intra-office optical fiber facilities in the relevant usage section.
 - With respect to any unused cores in the intra-office optical fiber facilities in the section designated by the applicant carrier, there are already usage plans that do not allow other usage applications and there are no plans to install intra-office optical fiber facilities in the relevant usage section.
 - Cases raising any concern that the smooth provision of telecommunications service by NTT East may be hindered.
 - Cases raising any concern that NTT East's interests may be unduly damaged by the interconnection.
 - The applicant carrier has failed or is likely to fail to pay any amount payable with respect to interconnection to intra-office optical fiber facilities.

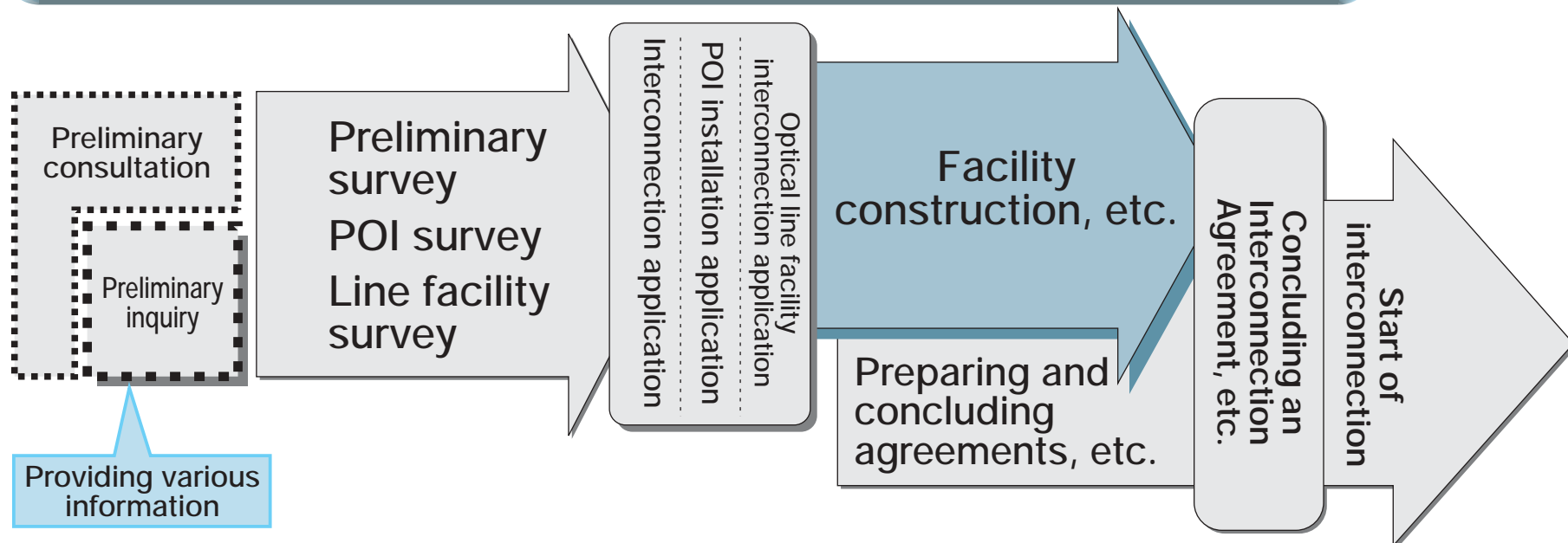
There may be cases in which interconnection preparations cannot be completed within one and half months from the date on which the facilities at both ends of the section to which interconnection via the intra-office optical fiber facilities is requested are identified if special situations are involved, such as those in which a large number of applications are simultaneously received or in which a large number of applications have already been received from other applicant carriers. In such cases, NTT East shall provide a written response indicating the available timing (meaning the period required for NTT East to make the relevant intra-office optical fiber available from the date on which the facilities at both ends of the section to which interconnection is requested are identified) of the intra-office optical fiber facilities in the usage section designated by the applicant carrier.
- We will provide consultation (free-of-charge) at the request of an applicant carrier. Specifically, we will provide consultation about any questions, etc., in completing an application form for optical line facility interconnection. (Please see Page 53 for contact numbers.)
As this preliminary consulting is not part of the essential procedures, applicant carriers that do not wish to participate in this process

- can start the procedures for the optical line facility interconnection application without any preliminary consulting.
- Eligible applicants for optical line facility interconnection are limited to telecommunications carriers.
 - *Entities other than telecommunications carriers must obtain registration of telecommunications business or submit such notification by the time an agreement is concluded.

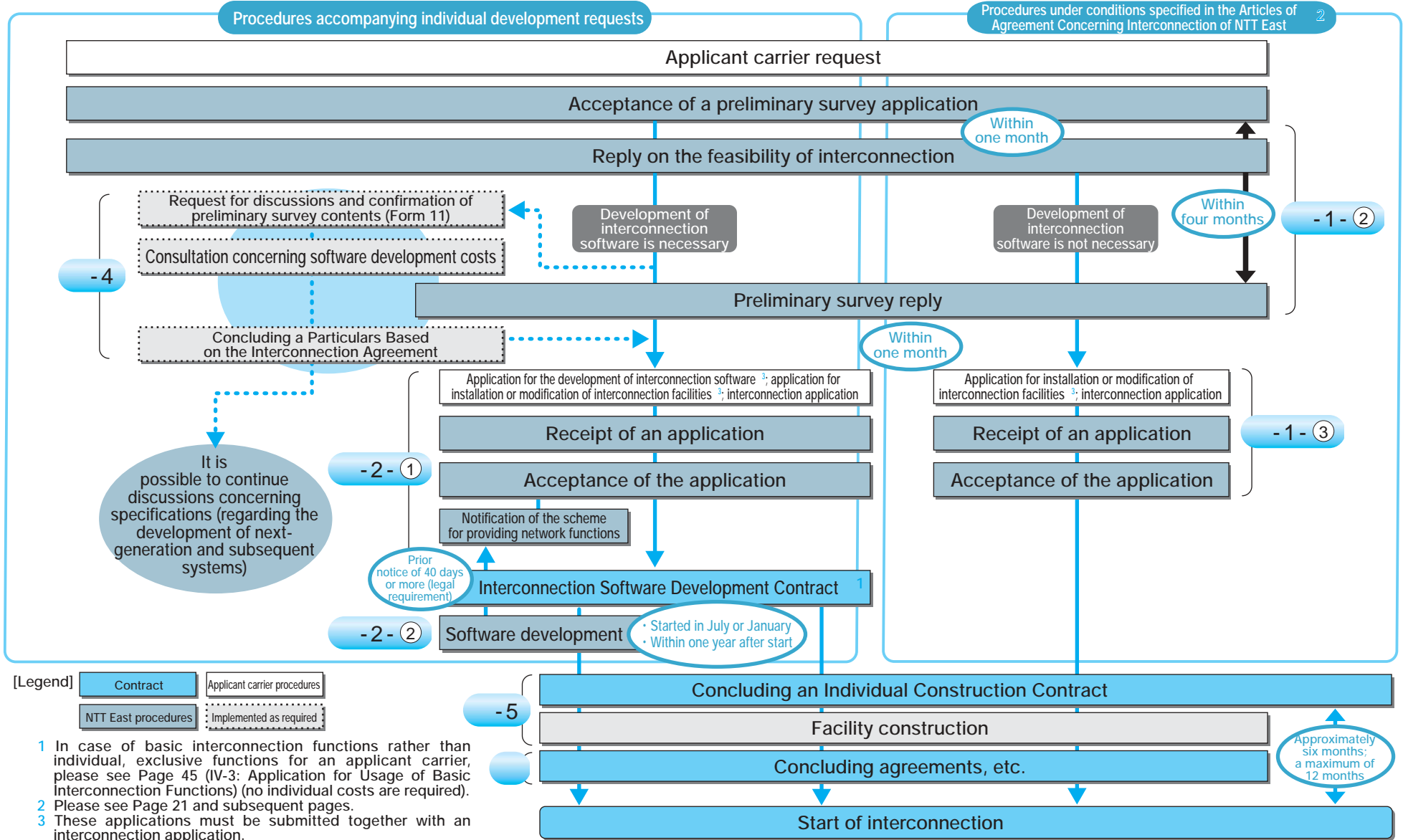
Please complete all required items in the application form.
An optical line facility interconnection application, a preliminary survey application and a POI survey application can be submitted simultaneously.
It is not necessary to make an application for a preliminary survey prior to an optical line facility interconnection application. A preliminary inquiry application and an optical line facility interconnection application can be submitted simultaneously.
- With respect to applicant carriers with whom we are initiating discussions for the first time, please note that it is necessary to conclude a confidentiality agreement in providing information related to NTT East security matters and intellectual property rights. We will also handle applicant carrier information that is acquired in the course of discussions concerning interconnection in accordance with the confidentiality agreement.
- NTT East will accept an application upon confirming that all necessary items have been completed in the Optical Line Facility Interconnection Application. In case applications involve the interconnection of overlapping facilities, the surveys will be conducted in the order in which the applications are received.
- In the event intra-office optical fiber facilities cannot be provided by the requested interconnection start timing because there are no unused cores in the section designated by the applicant carrier and if the applicant carrier wishes to enter the relevant communications building to confirm the contents, the applicant carrier is required to submit documentation at least five business days prior to the planned entry date. We will issue a written approval within two business days from the application date in principle. (We will issue a written notice of the reasons in case we cannot accept the application). In such cases, the number of persons entering the building is limited to that necessary for the intended purposes.

Development of Interconnection Software and Installation or Modification of Interconnection Facilities

- 1 Procedures for the development of interconnection software and the installation or modification of interconnection facilities
- 2 Development of interconnection software (in cases of individual development requests)
- 3 Usage of basic interconnection functions (in cases other than individual development requests)
- 4 Requests for discussions and confirmation of software development costs (individual development requests)
- 5 Individual construction contract and facility construction



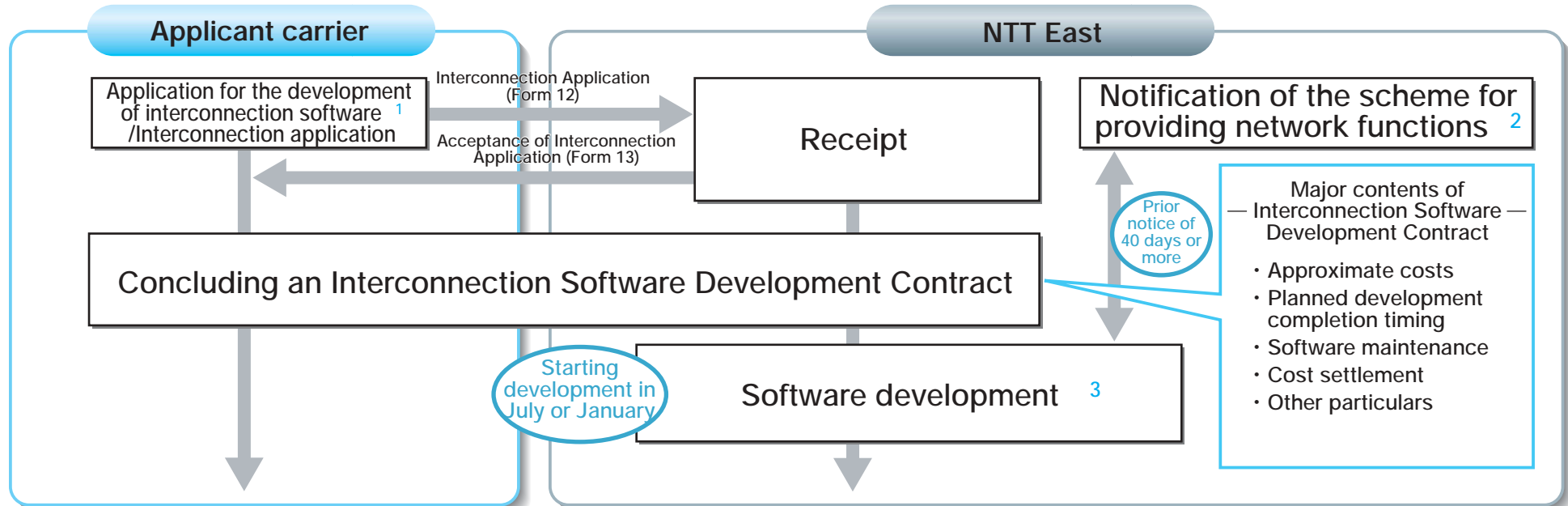
- 1 Procedures for the Development of Interconnection Software and the Installation or Modification of Interconnection Facilities



- 2 - Concluding an Interconnection Software Development Contract (Individual Development Requests)

An Interconnection Software Development Contract will be concluded after an interconnection application is accepted. In the event any notification of the scheme for providing network functions is required, NTT East will make such notification 40 or more days prior to the start of development.

☞ Article 32 of the Articles of Agreement Concerning Interconnection



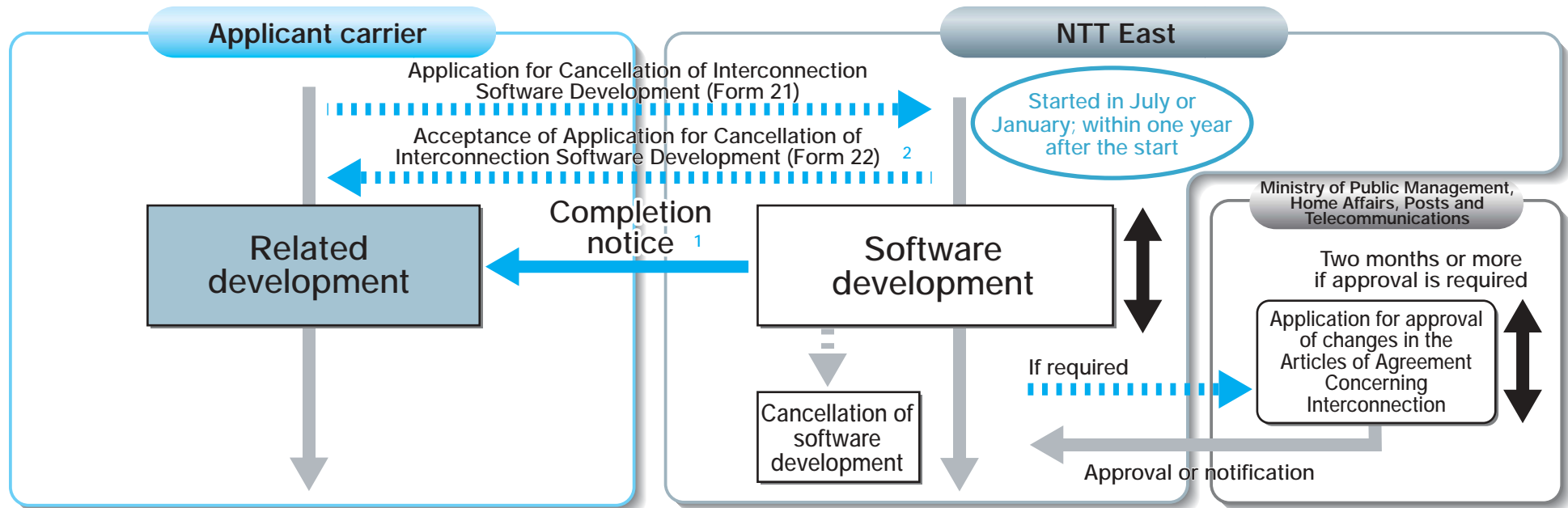
Explanation

- 1 Application for the development of interconnection software
When applying for the development of interconnection software, such application must be submitted together with an interconnection application.
- 2 Notification of the scheme for providing network functions:
The notification of the scheme for providing network functions is submitted 40 days or more prior to the start of development (July or January).
 - The preconditions for starting development are: (1) the conclusion of an Interconnection Software Development Contract and (2) submitting a notification of the scheme for providing network functions to the MIC.
- 3 Title and rights concerning interconnection software:
All rights concerning interconnection software (proprietary rights, copyrights, patent and other intangible property rights) shall belong to NTT East or the third party to which NTT East has consigned the development work.
 - In case of basic interconnection functions, there is no need to make an application, etc. (no individual costs are required concerning software development).
 - The development of interconnection software includes the installation (or modification) of interconnection facilities that are necessary for the development of the relevant software.

- 2 - Development of Interconnection Software (Individual Development Requests)

The development of interconnection software is started in July or January. The development of such software will be completed within one year from the start.

Articles 33, 34 and 38 of the Articles of Agreement Concerning Interconnection

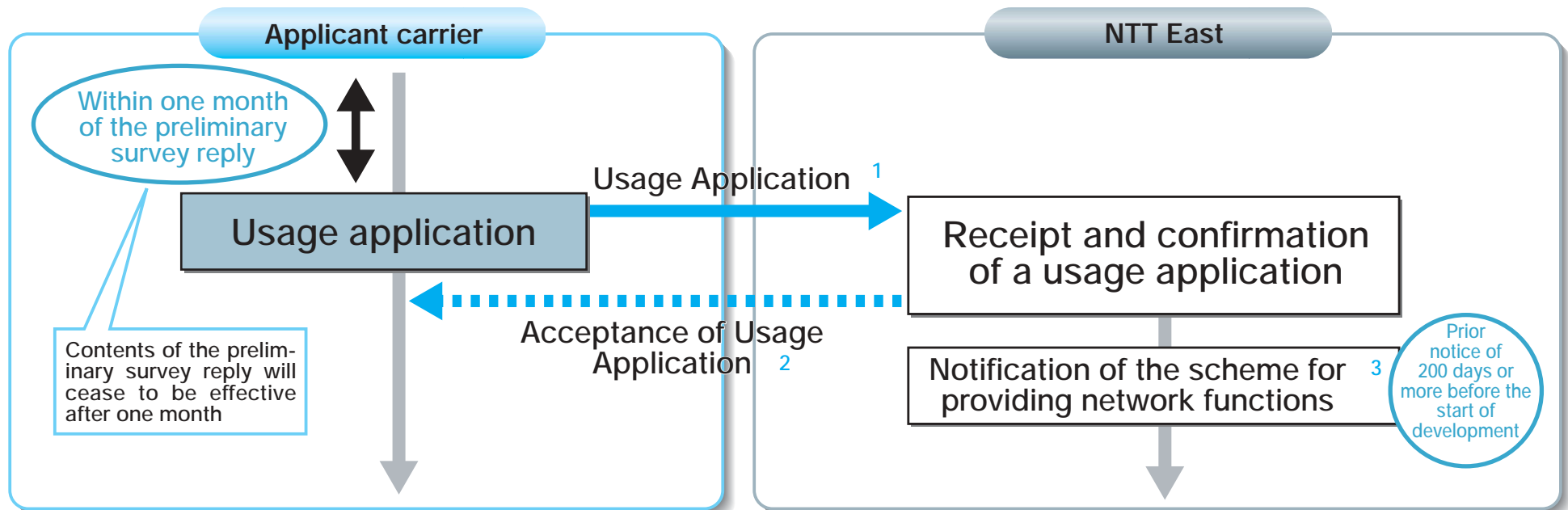


Explanation

- 1 Completion notice:
After the completion of software development work (including associated facility modifications), the necessary inspections and testing are conducted and a written completion notice will be issued.
The applicant carrier may cancel the development of interconnection software before its completion. In such cases, however, the applicant carrier will be separately charged an amount calculated in accordance with the provisions of the Interconnection Software Development Contract.
The period of one year may be exceeded depending on the requested contents, the level of difficulty, fluctuations in total development volume, etc.
- 2 NTT East will accept a written application for cancellation that is submitted before the completion of interconnection software development.
The payment of any expenses newly incurred by the cancellation and the expenses that have already been incurred prior to the cancellation is required.

- 3 Application for Usage of Basic Interconnection Functions (In Cases Other than Individual Development Requests)

For functions that are not subject to individual software development requests (i.e., basic interconnection functions = standard functions that can be commonly used by carriers including NTT East at the standard points of interconnection), please submit a basic function usage application within one month from the preliminary survey reply.



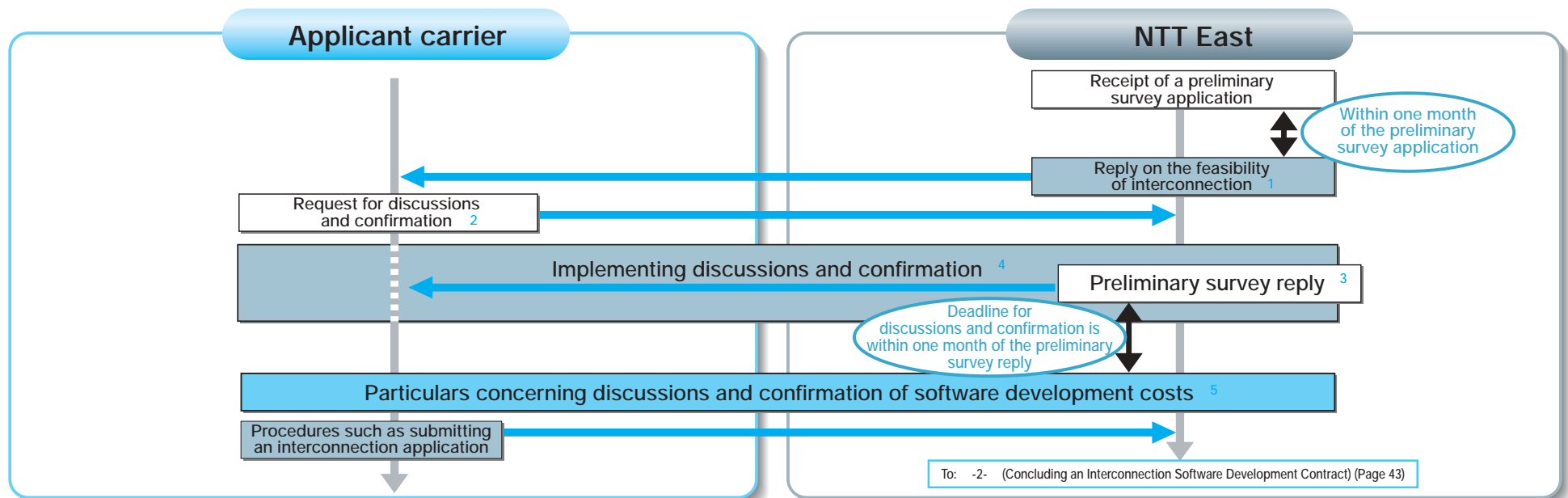
Explanation

- 1 Basic Function Usage Application (please use the Interconnection Application (Form 12)).
- 2 Acceptance of Usage Application (the Acceptance of Interconnection Application (Form 13) will be used).
If the function to be developed is a basic interconnection function, it is not necessary for the applicant carrier to pay the costs individually. In such cases, please submit an application for the usage of said function. Following the receipt of a usage application, NTT East will start development only after completing the required notification in accordance with the scheme for providing network functions, publishing announcements in the official gazette and holding seminars for applicant carriers.
- 3 Please see the "Usage of Functions Specified in the Scheme for Providing Network Functions" (Page 47).

- 4 Request for Discussions and Confirmation of Preliminary Survey Contents (Individual Development Requests)

In principle, discussions and confirmation of software development costs will be initiated upon receiving a Request for Discussions and Confirmation from an applicant carrier after NTT East has provided a reply on the feasibility of interconnection. Discussions and confirmation will take place within the effective period of the preliminary survey reply (notification of estimated costs; within one month after providing such reply) after receiving a request for discussions and confirmation from an applicant carrier, and an agreement will be concluded concerning the particulars of the discussion and confirmation contents. When an agreement is reached about software development conditions, please submit an interconnection application.

☞ **Articles 14 and 15 of the Articles of Agreement Concerning Interconnection**



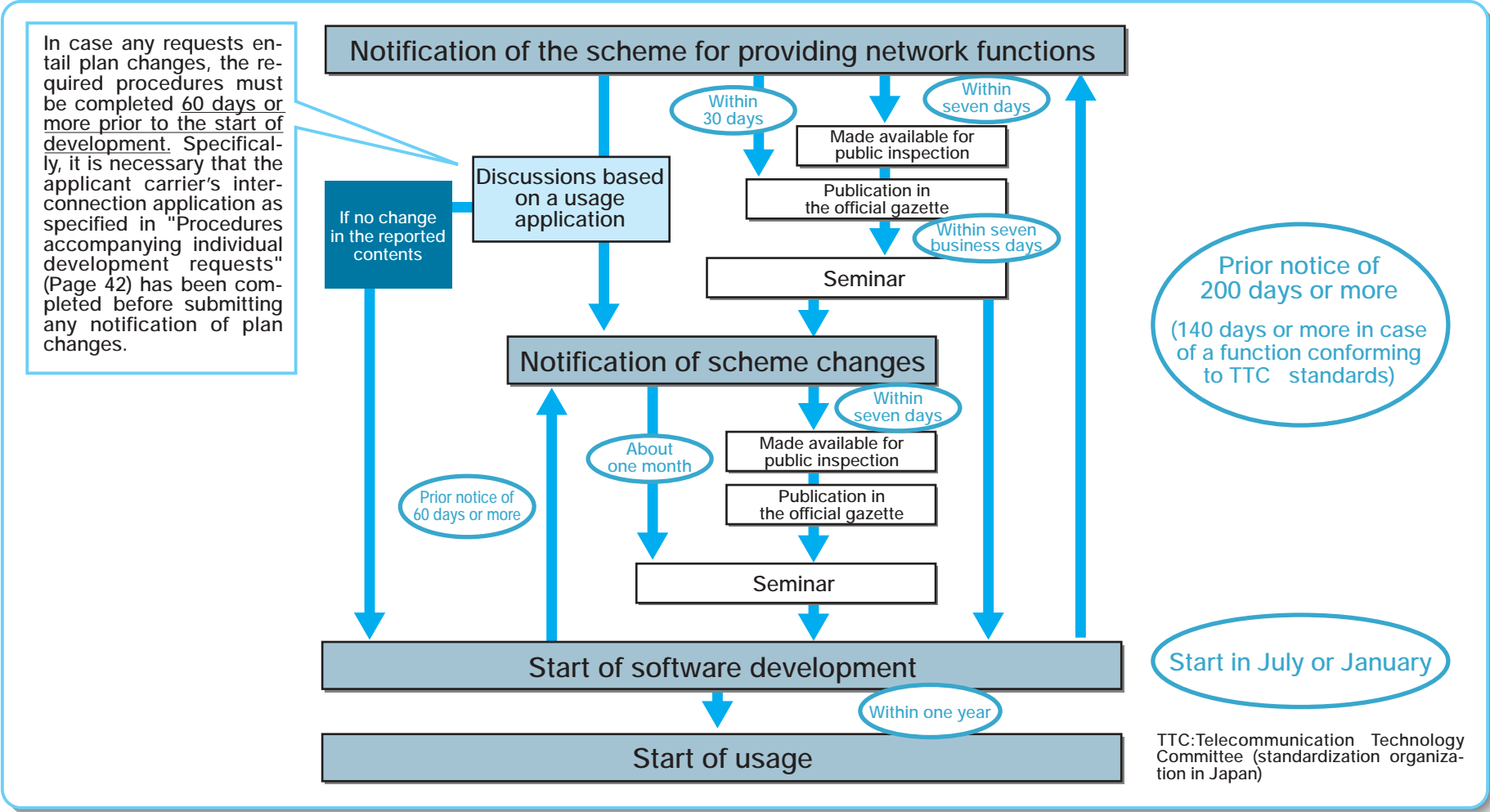
Explanation

- 1 Please see " -1- Feasibility of Interconnection and Preliminary Survey Reply"
- 2 Request for discussions and confirmation:
These requests will be accepted at any time even during the preliminary survey period. No form is prescribed for these requests.
Even if discussions are undertaken, no change will be made in the standard interconnection period specified in the Articles of Agreement Concerning Interconnection.
- 3 Preliminary survey reply:
The development scale and cost information will be provided in the preliminary survey reply.

- 4 Contents of discussions and confirmation:
Before the preliminary survey reply:
Information concerning the estimate prepared by an applicant carrier is provided, and specifications are confirmed.
After the preliminary survey reply:
Whole discussions are held concerning the appropriateness of the development scale and the need to review specifications on the basis of the estimate prepared by NTT East, it is recommended that an applicant carrier also prepare an estimate and present such information as anticipated development costs, the development scale and unit prices in order to make these discussions more useful.
Even if an applicant carrier does not prepare such estimates on its own, discussions will still be held.
- 5 Particulars concerning the discussion and confirmation of software development costs:
An applicant carrier is requested to make a decision on the continuation or completion of discussions, and an agreement is concluded with NTT East concerning the particulars of such discussion contents.
When an interconnection application is to be made, please submit an Interconnection Application.
In case of continuing the discussions, the contents of the estimated cost notification will cease to be effective in principle.

(Reference) Usage of Functions Specified in the Scheme for Providing Network Functions

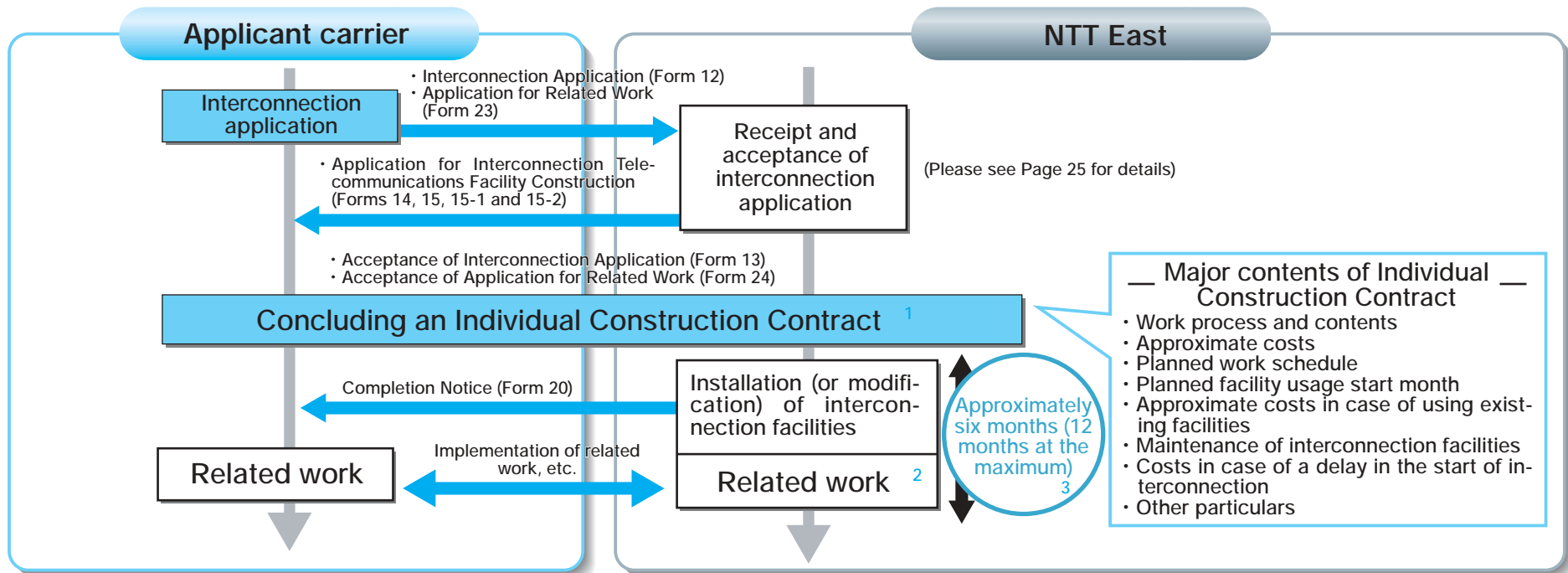
NTT East submits a notification of the scheme for providing network functions to the Minister of the Public Management, Home Affairs, Posts and Telecommunications pursuant to the Telecommunications Business Law for functions to be developed for its own and joint usage with other carriers. The outline of these plans is announced in the official gazette and is available at the Information Station, etc. Seminars are also held for interested carriers. We invite you to refer to these services as needed.



- 5 Individual Construction Contract and Facility Construction

In case the installation or modification of NTT East interconnection facilities is required, such work will be started upon the conclusion of an Individual Construction Contract. NTT East will complete the work in approximately six months (a maximum of 12 months) after concluding this contract. (The specific period will be specified in the Individual Construction Contract.)

Articles 26 through 29 and 38 of the Articles of Agreement Concerning Interconnection



Explanation

- 1 If installation or modification of interconnection facilities is required, an application for installation or modification of interconnection facilities must be submitted together with an interconnection application.
- 2 After the completion of the installation (or modification) of NTT East interconnection facilities, the necessary inspections and testing are conducted and a written completion notice will be issued. Changes or the cancellation of the installation (or modification) of interconnection facilities may be accepted if such request is made before the completion of interconnection facilities. In such cases, however, the applicant carrier will be separately charged an amount calculated in accordance with the provisions of the Individual Construction Contract. In the event of changes, there may be cases in which we are unable to meet the requested completion timing.

[Forms for Changes or Cancellation]

- Application for Change in Interconnection Telecommunications Facility Construction (Form 16)
 - Application for Cancellation of Interconnection Telecommunications Facility Construction (Form 18)
- 3 If any related work (interconnection testing, translator work, switchover work, etc.) is required, we will implement such work in cooperation with the applicant carrier. As necessary, we will conclude a Memorandum of Understanding that outlines the details of the related work to be implemented.
 - 4 In case of interconnection involving minor work only (e.g., translator registration) for an applicant carrier with whom interconnection has already been established, the requested interconnection can be started within an even shorter time period (six months at the maximum).

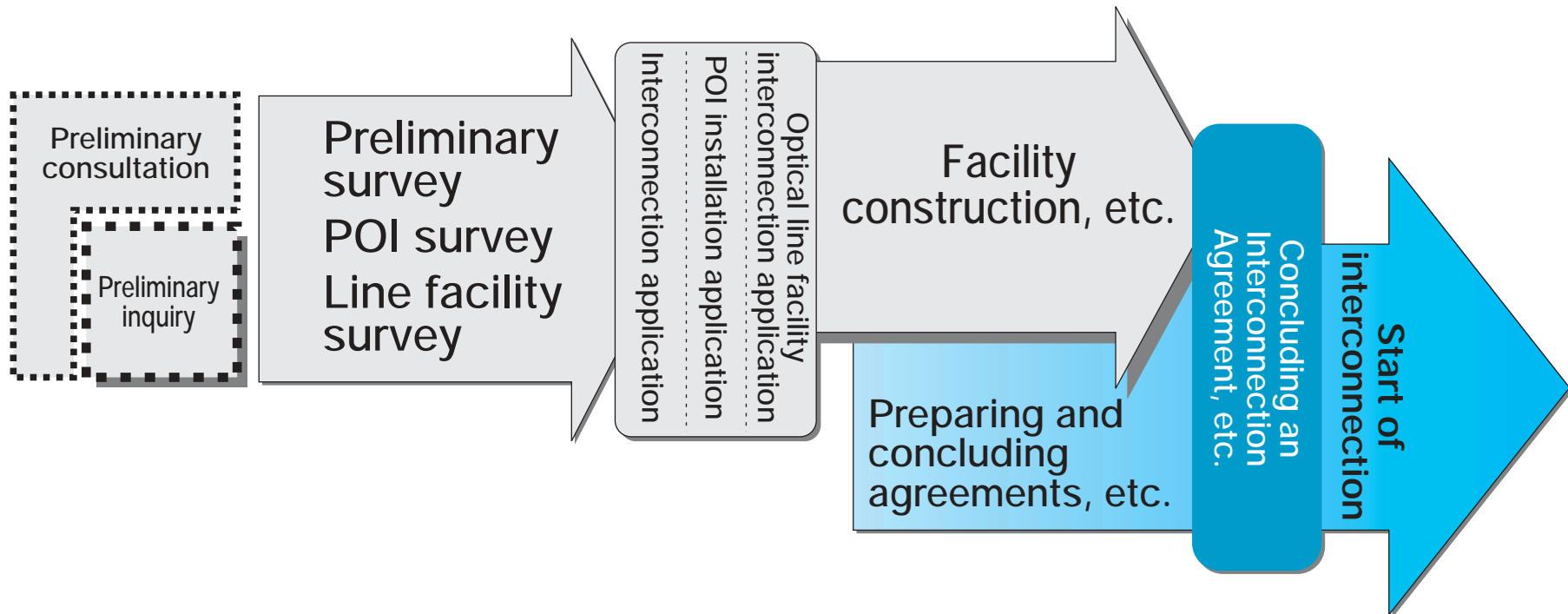
(Reference) Outline of Related Work

In newly establishing an interconnection, the following tests and/or work will be implemented as necessary.

Item	Outline of Work
<p>Interconnection testing</p>	<p>Confirmation testing conducted on actually operating facilities in order to confirm normal communications between carriers before service start. Mutually required test items are not subject to the billing of expenses.</p> <p><small>This does not cover any tests using simulated network test facilities (test bed).</small></p>
<p>TLR work</p>	<p>Conducting switch TLR (number translator) work and other data changes related to start of interconnections as necessary. The payment of expenses for work is required for any work implemented at the request of an applicant carrier.</p>
<p>Switchover work</p>	<p>Conducting switchover work for related switches and lines as necessary. The payment of expenses for work is required for any work implemented at the request of an applicant carrier.</p>
<p>Local switch interconnection line installation work, etc.</p>	<p>This work is conducted when the number of interconnection lines used to interconnect contracting carrier facilities is increased or decreased.</p>

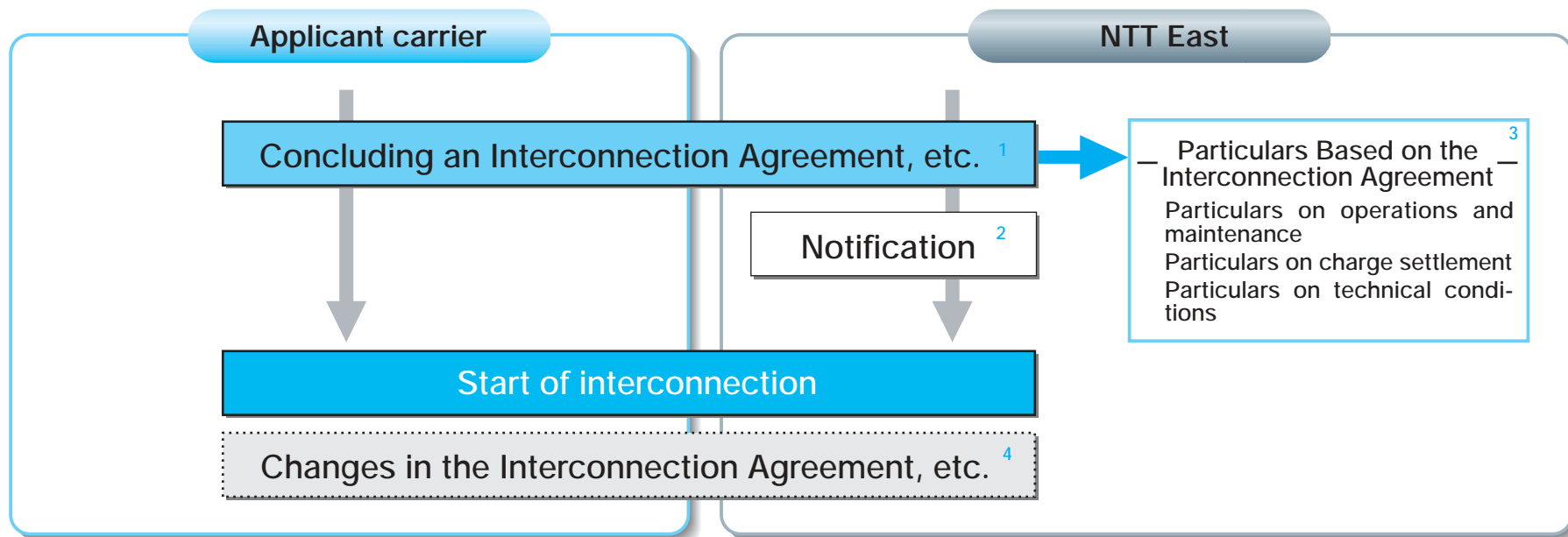
Concluding an Interconnection Agreement

- 1 Concluding an Interconnection Agreement, etc.
- 2 Interconnection-related matters for which your cooperation is requested



- 1 Concluding an Interconnection Agreement, Etc.

An Interconnection Agreement will be concluded by the start of interconnection, and a notification of the conclusion of such agreement will be submitted to the Minister of Public Management, Home Affairs, Posts and Telecommunications. The Particulars Based on the Interconnection Agreement that detail specific administrative procedures after the start of interconnection will also be concluded as required. These contracts are necessary to establish the conditions for smooth interconnection operations.  **Articles 40 through 46 of the Articles of Agreement Concerning Interconnection**



Explanation

- 1 In parallel with equipment installation, etc., an Interconnection Agreement will be concluded.
- 2 The approval of the Minister of Internal Affairs and Communications (MIC) is required for an Interconnection Agreement if any portion of the interconnection conditions applied to NTT East or the applicant carrier is not based on the Articles of Agreement Concerning Interconnection that have been approved by the MIC.
- 3 The Particulars Based on the Interconnection Agreement, shown in the table at right, that detail specific administrative procedures after the start of interconnection will be concluded as required. These contracts are necessary to establish the conditions for smooth interconnection operations.
- 4 This means the transfer of or succession to the status under the agreement, or change, cancellation or termination of the agreement.

<Outline of Particulars Based on the Interconnection Agreement>

Classification	Major Contents
Particulars on operations and maintenance	Basic matters (flow of each step, contact numbers, etc.) related to maintenance between carriers in order to facilitate smooth network interconnection operations.
Particulars on charge settlement	To smoothly conduct clerical processing for the billing and payment of charges, the calculation method of the amounts to be settled, specific payment methods and the matters on which the understanding of an applicant is to be obtained (e.g., clerical processing concerning the application for interconnection leased line service such as DSL) are confirmed.
Particulars on technical conditions	Detailed technical conditions (signaling network configuration, test numbers, etc.) for which options are provided to the applicant carrier under the Articles of Agreement Concerning Interconnection are confirmed.

- 2 Interconnection-Related Matters for Which Your Cooperation is Requested

We request your cooperation in the following matters in order to smoothly carry out interconnection.

⇒ Articles 47 through 52 of the Articles of Agreement Concerning Interconnection

Confidentiality obligation

- Each party agrees to strictly keep confidential all technical, business or any other information of either party that is not made publicly available and which either party may come to know in connection with interconnection, and shall not use same for other than the intended purpose. (However, this shall not apply when disclosure is required by law or ordinances and/or when the written consent of the other party is obtained.)

Notification of necessary matters

- Each party agrees to notify the other party in writing of any change in its company name, the suspension or discontinuation of its business, business licensing and any information concerning interconnection, such as additions, changes or discontinuation of points of interconnection.

Estimated traffic or estimated number of circuits

- An applicant carrier agrees to provide NTT East with estimated traffic volume, the estimated number of lines and other necessary information as requested by NTT East, such as traffic volume and the number of lines for each POI and each switch, traffic volume for each unit rate area, traffic volume for each local exchange number, information on accommodation status of transmission equipment, etc.

Maintenance

- Each party agrees to exert every effort to avoid causing congestion, trouble or other damage to the other party's telecommunications facilities.
- Each party agrees to maintain its interconnected telecommunications facilities so as to comply with the Business Use Telecommunications Facilities Regulations and the technical conditions specified by NTT East for each point of interconnection.
- Both parties agree to discuss specific matters concerning facility maintenance and to stipulate such matters in the Particulars on Operations and Maintenance.

Interconnection among multiple carriers

- In the event an applicant carrier establishes interconnection with another carrier via NTT East, or in case another carrier establishes interconnection with an applicant carrier, there are many cases in which agreements are concluded among all carriers involved.
- In the above cases, it is necessary for the carrier that is requesting the interconnection to arrange the interconnection negotiations among carriers.

Contact Numbers for Inquiries, Applications, Etc.

Classification	Section	Telephone Number
Carriers already interconnected to NTT East	Please contact your account manager at the Interconnection Business Promotion Section, Interconnection Promotion Department	
Carriers wishing to newly establish interconnection with NTT East	Interconnection Business Promotion Section, Interconnection Promotion Department	+813-5359-4125
General inquiries regarding interconnection and information disclosure	Interconnection Planning & Billing Section, Interconnection Promotion Department	+813-5359-4120
Any applications using Forms 6, 14 through 16, 18, 25, 26, and 28 are accepted at the NTT East branch in the relevant area.		

Chapter 3



Forms

List of Forms

Forms (Attached Table 3 of the Articles of Agreement Concerning Interconnection)

Form 1	Preliminary Inquiry Application (Paragraph 1, Article 10-2).....	57	Form 15-2	Application for Interconnection Telecommunications Facility Construction (Carriers Establishing Interconnection to Optical/ electric Signal Conversion Equipment or Optical Signal Transmission Equipment) (Item 4, Paragraph 1, Article 24)	72
Form 2	Preliminary Inquiry Reply (Paragraph 3, Article 10-2)	58	Form 16	Application for Change in Interconnection Telecommunications Facility Construction (Paragraph 1, Article 27)	73
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Form 5	POI Installation Application (Paragraph 1, Article 10-4)	60	Form 19	Acceptance of Application for Cancellation of Interconnection Telecommunications Facility Construction (Paragraph 3, Article 27) ...	74
Form 5-2	POI Installation Work Initiation Extension Application (Paragraph 4, Article 10-4)	61	Form 20	Completion Notice (Article 28)	75
Form 6	Communications Building Entry Application (Paragraph 2, Article 10-5 and Paragraph 2, Article 34-5)	61	Form 21	Application for Cancellation of Interconnection Software Development (Paragraph 1, Article 33)	75
Form 7	Acceptance of Communications Building Entry Application (Paragraph 3, Article 10-5 and Paragraph 3, Article 10-11)	62	Form 22	Acceptance of Application for Cancellation of Interconnection Software Development (Paragraph 1, Article 33)	76
Form 7-2	Line Facility Survey Application (Optical Interoffice Line) (Paragraph 1, Article 34-2)	62	Form 22-2	Application for Usage Cancellation of Facilities Subject to Individual Management (Article 36-2)	76
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Form 8	Preliminary Survey Application (Paragraph 2, Article 11)	65	Form 25	Self-Undertaken Work Application (Paragraph 3, Article 95)	78
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These forms can be downloaded from our Homepage.

URL: <http://www.ntt-east.co.jp/info-st/conguide/>

Form 1 (Related to Paragraph 1, Article 10-2)

PRELIMINARY INQUIRY APPLICATION

No.
Date:

To: NTT East

From: Company:
Name: SEAL

Pursuant to the provisions of Paragraph 1, Article 10-2 (Preliminary Inquiry) of your Articles of Agreement Concerning Interconnection, we hereby submit the following preliminary inquiry application with respect to the planned site for POI installation, etc., or the optical line facility usage section.

1. Requested Information

Planned POI installation site or optical line facility usage section	Requested information

2. Survey Expenses

Upon concluding the necessary contract, we will pay the expenses required to conduct the survey to provide the requested information.

3. Other

Information provided pursuant to this application will be handled in the same way as stipulated in Article 47 (Confidentiality Obligation) of the Article of Agreement Concerning Interconnection.

Notes:

1. Please use JIS A4-sized paper in preparing this application.
2. In the event of requesting the provision of information specified in (7), Paragraph 2, Article 10-2 of the Articles of Agreement Concerning Interconnection, please complete and attach the following.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Attachment to Form 1

Application for Preliminary Inquiry (Optical Subscriber Line)

Survey item	Available timing	
	Transmission loss	
	Survey range	Please select from among (1) an optical subscriber line, (2) indoor optical fiber and (3) an optical subscriber line and indoor optical fiber.
Survey section	(Start point) Name of NTT communications building	
	(End point) Address, etc., of user building (terminal equipment installation site)	
Detailed information concerning the optical subscriber line	Number of cores requested	
	Request for filter usage	
Information concerning applicant for interconnection (name of company, name of contact person, contact telephone number, etc.)		
Information concerning superintendent of user building (building owner/building superintendent) (name of company, name of contact person, contact telephone number, etc.)		
Information concerning the person in attendance at time of entry to user building (name of company, name of contact person, contact telephone number, etc.)		
Information concerning the coordinating person for the usage of conduit, etc., in user building (name of company, name of contact person, contact telephone number, etc.)		
Other (remarks)		

Notes:

1. Please use JIS A4-sized paper in preparing this application.
2. If the user premises is other than an independent dwelling, please make certain to enter the name of the user building, the floor number and the room number or the name of the tenant in the section for the installation site in the user building.
3. Please select the range of telecommunications facilities for which a survey is requested in the survey range section.
4. When requesting a survey concerning indoor optical fiber, please make certain to enter the information concerning the superintendent of the user building, the person in attendance at the time of the entry to the user building, and the coordinating person for the usage of conduit, etc., in the user building (please complete Section only when the person entered in is different from ; please complete Section only when the person entered in is different from and). In addition, please make certain to make arrangements with the superintendent, etc., of the user building to provide for coordination when NTT enters the relevant building prior to making an application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 2 (Related to Paragraph 3, Article 10-2)

PRELIMINARY INQUIRY REPLY

To: Mr./Ms. _____
 Company _____

Date:

From: NTT East

SEAL

We are pleased to provide the following response with respect to your preliminary inquiry dated _____ (No. _____).

Contents of information provided	
Information that cannot be provided and the reasons therefor	
Other	Provided information shall be handled in the same way as stipulated in Article 47 (Confidentiality Obligation) of the Articles of Agreement Concerning Interconnection.

Note: The results of the survey related to Item 7, Paragraph 2, Article 10-2 (Preliminary Inquiry) are entered in the attachment.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Attachment to Form 2

Preliminary Inquiry Reply (Optical Subscriber Line)

Survey results	Available timing
	Survey results concerning indoor optical fiber
	Transmission loss

Note: JIS A4-sized paper will be used.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 3 (Related to Paragraph 1, Article 10-3)

POI SURVEY APPLICATION

To: NTT East
 No. _____
 Date: _____

From: Company: _____
 Name: _____ **SEAL**

Pursuant to the provisions of Paragraph 1, Article 10-3 (POI Survey) of your Articles of Agreement Concerning Interconnection, we hereby request that a POI Survey be undertaken as follows.

1. Survey Contents

Target building	Survey contents	Requested interconnection start timing	Remarks

2. Survey Expenses

Upon concluding the necessary contract, we will pay the expenses required to conduct the survey.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Attachment to Form 3

Area name (building name)					
Planned service start timing	Leased line service	Date: _____			
	Telephone service	Date: _____			
Transmission Facilities	Transmission section	NTT-East NCC			
	Transmission system				
	Number of transmission systems	At time of service start			
		At end of planned installation			
	Interconnection speed				
	Antenna type, quantity				
	Facility outline	External dimensions	H _____ × W _____ × D _____		
		Total weight	Kg/m ²		
		Heat generation volume			
		Required capacity			
		Voltage standards			
		Electromagnetic induction	VCCI compliance	Yes No	
		Cabinet ventilation conditions	Type of ventilation	Top Rear (Front) Side	
	Ventilation fan		Yes (Forced air cooling) No (Natural air cooling)		
Air-conditioning outline	Temperature conditions				
	Humidity conditions				
Power facility outline	Power source				
	Supply conditions				
	Type of grounding				
Underground facilities	Number of routes				
	Number of conduits				
	Number of cables				
	Fiber count				
	Type of optical fiber				
Usage contents					
	Other				

Notes:

- Please use JIS A4-sized paper in preparing this application.
- Please attach materials (in any format) describing the specifications of the equipment to be installed.
- In the case of installing the applicant carrier lead-in cable in the building where the POI is installed, please attach a diagram (in any format) showing the cable lead-in location.
- If special requests such as installing the equipment in a protective cage and/or the usage of a commercial power source are included, please specify such requests in the Other section.
- As a condition for installing cabinet racks, the installation standards separately prescribed must be met.
- In the event of making an application for a survey of each space item (meaning space, MDF terminals, the power reception capacity and the power generation capacity) to install the equipment, etc., necessary for interconnection, please specify such details in the Other section.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 4 (Related to Paragraph 5, Article 10-3)

POI SURVEY REPLY

To: Mr./Ms. _____
 Company _____

Date: _____

From: NTT East

We are pleased to inform you of the results of the survey conducted in response to your POI Survey Application dated _____ (No. _____).

1. Survey Results

Target building	
Address	
Required construction and related work	
Conditions	
Availability (reasons if unavailable)	
Collocation site and reasons for its selection	
Survey expenses and itemization	
Amount to be borne under Entrusted Maintenance Contract, etc.	

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 5 (Related to Paragraph 1, Article 10-4)

POI INSTALLATION APPLICATION

To: NTT East

No. _____
 Date: _____

From: Company: _____
 Name:

With respect to your response dated _____ to our POI Survey Application dated _____ (No. _____), we hereby apply for POI installation pursuant to the conditions specified in your response in accordance with the provisions of Paragraph 1, Article 10-4 (Application for Establishment of POI) of your Articles of Agreement Concerning Interconnection.

Target building	Lead-in location, etc.	Remarks

Note: Please use JIS A4-sized paper in preparing this application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 5-2 (Related to Paragraph 4, Article 10-4)

POI INSTALLATION WORK INITIATION EXTENSION APPLICATION

No.
Date:

To: NTT East

From: Company:
Name:

SEAL

Pursuant to the provisions of Paragraph 4, Article 10-4 (Application for Establishment of POI), we hereby apply for an extension to the initiation of POI installation work.

1. Reason for extension		
2. Plans for work after extension	Planned work application date	YYMMDD
	Planned work initiation date	YYMMDD
	Requested power facility usage start date	YYMMDD
	Planned work completion date	YYMMDD

Notes:

1. Please use JIS A4-sized paper in preparing this application.
2. Please enter the planned work initiation date and the planned work completion date in the case of self-undertaken work.
3. Please enter the requested power facility usage start date in the case of self-undertaken work and when starting the usage of new power facilities.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 6 (Related to Paragraph 2, Article 10-5 and Paragraph 2, Article 34-5)

COMMUNICATIONS BUILDING ENTRY APPLICATION

No.
Date:

To: NTT East

From: Company:
Name:

SEAL

Pursuant to the provisions of Paragraph 2, Article 10-5 (Entry to Installation Site of Equipment, Etc., Necessary for Interconnection by Applicant for Interconnection) and Paragraph 2, Article 34-5 (Entry in Case No Unused Cores are Available in Optical Line Facilities) of your Articles of Agreement Concerning Interconnection, we hereby apply for entry into your communications building described below.

1. Application Contents

Purpose of entry	
Building name	
Name(s) of person(s) entering the building	Company: Name(s):
Date/time of entry	Planned start time Date: Time: Planned completion time Date: Time:
Responsible person	Company: Name: Contact numbers: Telephone number: Fax number:
Remarks	

Note: Please use JIS A4-sized paper in preparing this application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 7 (Related to Paragraph 3, Article 10-5 and Paragraph 3, Article 10-11)

ACCEPTANCE OF COMMUNICATIONS BUILDING ENTRY APPLICATION

To: Mr./Ms. _____
 Company _____

Date: _____

From: NTT East

SEAL

We are pleased to inform you of our acceptance of your Communications Building Entry Application dated _____ (No. _____).

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 7-2 (Related to Paragraph 1, Article 34-2)

LINE FACILITY SURVEY APPLICATION (Optical Interoffice Line)

To: NTT East

No. _____
 Date: _____

From: Company: _____
 Name: _____

SEAL

Pursuant to the provisions of Paragraph 1, Article 34-2 (Line Facility Survey for Optical Interoffice Lines) of your Articles of Agreement Concerning Interconnection, we hereby apply for a line facility survey as follows for the purpose of establishing interconnection with the NTT optical interoffice line.

1. Survey Contents

Outline of line facilities to be surveyed	
Conditions of facilities to be interconnected	Total sections; cores
Requests related to the installation of the Optical intra-office transmission line	
Contact information (name and telephone number)	

2. Survey Expenses

Upon concluding the necessary contract, we will pay the expenses required to conduct the survey.

- Notes:
1. Please use JIS A4-sized paper in preparing this application.
 2. Please include the attachment in making an application for a line facility survey.

Attachment to Form 7-2

Line Facility Survey Contents (Optical Interoffice Line)

No.	Route Code	Section	Number of cores to be used	Will a filter be used in the optical line facility connection module?	Requested interconnection start timing	Remarks
		Names of NTT communications buildings at both ends				
		From ~ To				

Note: Please use JIS A4-sized paper in preparing the attachment.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 7-3 (Related to Paragraph 2, Article 34-2)

LINE FACILITY SURVEY REPLY (Optical Interoffice Line)

To: Mr./Ms. _____
 Company _____

No. _____
 Date: _____

From: NTT East

SEAL

We are pleased to provide the following response with respect to your application for the line facility survey dated _____ (No. _____).

Survey results	Total Sections; Cores
Survey expenses	
Other	

- Notes:
1. JIS A4-sized paper will be used.
 2. The survey results will be entered in the attachment.

Attachment to Form 7-3

LINE FACILITY SURVEY REPLY (Optical Interoffice Line)

No.	Route code	Survey Results											Remarks				
		Meeting requested start timing	Name of NTT communications building	Main distributing board installation floor	Type of connector	Name of NTT communications building	Main distributing board installation floor	Type of connector	Number of cores	Available timing	Whether or not a filter will be used in the module	Distance		Type of fiber	Transmission loss		
		Possible or Not possible	Reason				Requested cores	Available cores	Application	Reply							

- Notes:
1. JIS A4-sized paper will be used.
 2. In the event it is not possible to provide optical line facilities in the requested usage section by the requested timing, the reason will be entered in the Reason column.
 3. The available timing is entered for the total number of available cores.
 4. The type of fiber indicates the distinction between single mode or multimode and the wavelength used.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 7-4 (Related to Paragraph 1, Article 34-3 and Paragraph 1, Article 34-4)

OPTICAL LINE FACILITY INTERCONNECTION APPLICATION

To: NTT East

No. _____
 Date: _____

From: Company: _____
 Name: **SEAL**

(For Optical Interoffice Lines)
 With respect to your reply dated _____ (No. _____) to our Line Facility Survey Application dated _____ (No. _____), we hereby apply for interconnection to optical line facilities pursuant to the contents specified in your reply in accordance with the provisions of Paragraph 1, Article 34-3 (Application for Interconnection to Optical Interoffice Lines) of your Articles of Agreement Concerning Interconnection.
 (For Optical Subscriber Lines and Optical Intra-Office Transmission Lines)
 Pursuant to the provisions of Paragraph 1, Article 34-4 (Application for Interconnection to Optical Subscriber Lines or Optical Intra-Office Transmission Lines) of your Articles of Agreement Concerning Interconnection, we hereby apply for interconnection to optical line facilities.

Contact person (name and telephone number)	
--	--

- Notes:
1. Please use JIS A4-sized paper in preparing this application.
 2. Please submit with Attachment 1 if this is an interconnection application for an optical interoffice line.
 3. Please submit with Attachment 2 if this is an interconnection application for an optical subscriber line.
 4. Please include Attachment 3 if this is an interconnection application for an optical intra-office transmission line.

Attachment 1 to Form 7-4

Optical Line Facility Interconnection Application (Optical Interoffice Line)

No.	Survey Results (Attachment 1 to Form 7-3)	Line Facility Interconnection Application		Remarks
		Number of requested cores	Interconnection start timing	

- Notes:
1. Please use JIS A4-sized paper in preparing this application.
 2. Please make entries in a way that clarifies the relationship with the survey results entered in the attachment to Form 7-3.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.



Attachment 2 to Form 7-4
Optical Line Facility Interconnection Application (Optical Subscriber Line)

Target Section	(Start point) Name of NTT communications building	
	(End point) Address, etc., of user building (installation site of terminal equipment, user name, etc.)	
Detailed information concerning the optical subscriber line	Number of cores requested	
	Request for filter usage	
	Request for interconnection to the optical intra-office transmission line	
	Request for usage of indoor optical fiber, etc.	
	Requested usage start date	
Maintenance category	Please select: (1) maintenance within business hours or (2) 24-hour maintenance	
Information concerning applicant for interconnection (name of company, name of contact person, contact telephone number, etc.)		
Information concerning superintendent of user building (building owner/building superintendent) (name of company, name of contact person, contact telephone number, etc.)		
Information concerning the person in attendance at time of entry to user building (name of company, name of contact person, contact telephone number, etc.)		
Information concerning the coordinating person for the usage of conduit, etc., of user building (name of company, name of contact person, contact telephone number, etc.)		
Other (remarks)		

Notes:

- Please use JIS A4-sized paper in preparing this application.
- If the user premises is other than an independent dwelling, please make certain to enter the name of the user building, the floor number and the room number or the name of the tenant in the section for the installation site in the user building.
- If interconnection on a telephone pole is requested, please make certain to enter the telephone pole number managed by the telephone pole owner in the section for the installation site in the user building. In addition, please provide materials such as a map that indicate the telephone pole location, etc., necessary to identify the telephone pole site.
- When requesting a survey concerning indoor optical fiber, please make certain to enter the information concerning the superintendent of the user building, the person in attendance at the time of the entry to the user building, and the coordinating person for the usage of conduit, etc., in the user building (please complete Section only when the person entered in is different from ; please complete Section only when the person entered in is different from and). In addition, please make certain to make arrangements with the superintendent, etc., of the user building to provide for coordination when NTT enters the relevant building or carries out work at the relevant building prior to making an application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Attachment 3 to Form 7-4
Optical Line Facility Interconnection Application (Optical Intra-Office Transmission Line)

No.	Name of NTT communications building	Equipment at both ends of the section for which interconnection via optical intra-office transmission line is requested		Type of use	Type of connector	Number of cores to be used	Requested interconnection start timing	Remarks
		(Start point) Equipment to be interconnected via optical intra-office transmission line	(End point) Equipment to be interconnected via optical intra-office transmission line					
~								

Notes:

- Please use JIS A4-sized paper in preparing this attachment.
- Please select from the following for the type of use.
 - When requesting the use of an optical intra-office transmission line that is installed as part of the NTT optical line facilities.
 - When requesting the use of an optical intra-office transmission line that is installed as part of the NTT telecommunications facilities (excluding optical line facilities).
 - When requesting the use of an optical intra-office backup transmission line.
- Please enter the type of connector in case of connecting one end of the optical intra-office transmission line to the telecommunications facilities of the contracting carrier.
- Please make certain to enter the information necessary to identify the optical interoffice line or the optical subscriber line in case the optical intra-office transmission line is to be used as part of such line.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 8 (Related to Paragraph 2, Article 11)

PRELIMINARY SURVEY APPLICATION

To: NTT East

No. _____
Date: _____

From: Company: _____
Name: _____ SEAL

Pursuant to the provisions of Paragraph 2, Article 11 (Application for Preliminary Survey) of your Articles of Agreement Concerning Interconnection, we hereby submit the following Preliminary Survey Application for the purpose of establishing/changing interconnection with the NTT-East networks.

Outline of interconnection to be established/changed	
Specific contents for negotiation	
Requested start timing for new/changed interconnection	
Contact details (name and telephone number)	

Specific Contents for Negotiation

1. Points of Interconnection	
Points of interconnection specified in the Articles of Agreement	Item ___ in the table (Standard Points of Interconnection) in Paragraph 1, Article 5 of the Articles of Agreement
Points of interconnection other than those specified in the Articles of Agreement	As specified in Attachment 1 (Technical Conditions for Cases in Which the Articles of Agreement Are Not Applied).
2. Demarcation point for telecommunications facilities	
(1) Requested POI installation site	
3. Area subject to interconnection	
(1) Service area of applicant carrier subject to interconnection	(Please complete in case of new interconnection with NTT-East networks)
(2) Area subject to interconnection per POI	Applicant carrier's network interconnection area: NTT-East's network interconnection area:
4. Technical conditions for interconnection (physical, electrical and logical conditions)	
Addition of new technical conditions	Yes No
Interconnection based on the technical conditions specified in the Articles of Agreement.	Chapter XI (Technical Conditions) in the Articles of Agreement As specified in Pattern ___, Section ___, Chapter 2 (Technical Conditions by Pattern), Collection of Technical Conditions.
Signaling network configuration	Associated network Quasi-associated network
Signaling speed	4.8kb/s 4.8kb/s
Circuit	Priority originating-user reservation Yes No

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

	reservation	Bi-directional reservation	Yes	No
Interconnection based on technical conditions other than those specified in the Articles of Agreement		As specified in Attachment 1 (Technical Conditions for Cases in Which the Articles of Agreement Are Not Applied).		
5. Construction of telecommunications facilities				
(1) Capacity of switching and transmission facilities per POI	(Complete only when the requested POI installation site in 2(1) (Demarcation point for telecommunications facilities) above is located within an NTT-East building.)			
(2) Applicant carrier facilities to be collocated within NTT-East buildings (if any)	<ul style="list-style-type: none"> • Type, quantity, dimensions of facilities to be installed • Electric power requirements • Other installation conditions • Other 			
6. Patterns of interconnection				
Patterns of interconnection specified in the Articles of Agreement	Articles of Agreement	Chapter VII (Patterns of Interconnection) Attached Table 2-2, No. ___ - No. ___		
	Articles of Optional Agreement	Chapter VI (Patterns of Interconnection) Attached Table 2-2, No. ___ - No. ___		
Patterns of interconnection other than those specified in the Articles of Agreement		As specified in Attachment 2 (Patterns of Interconnection)		
7. Functions subject to network modification charges				
Functions requested by applicant carrier from among those subject to network modification charges	No. ___ in 1.2.1.1 (Functions Subject to Network Modification Charges), 1.2 (Network Modification Charges), Table 1 (Interconnection Charges), Articles of Agreement.			
Outline of functions requested by applicant carrier other than those subject to network modification charge				
8. Matters requiring operational cooperation				
(1) Matters for which NTT-East cooperation is requested				
9. Carrier identification code and type of code				
Carrier identification code	()	()	()	()
Domestic basic and domestic supplementary service; shared use				
Domestic supplementary and international supplementary service; shared use				
Domestic basic and international basic service; shared use				
International basic service; dedicated use				
Please enter a check mark in any of the four rows above for each carrier identification code. Please check the first row in the case of "domestic basic service," and check the second row in the case of "domestic supplementary service; dedicated use" or "international supplementary service; dedicated use."				
10. Carrier pre-subscription function				
Usage of carrier pre-subscription function: Yes or No				
Call category	Local calls	Long-distance calls	Intra-prefecture toll calls	International calls
Carrier pre-subscription number				
Service area				
11. Other				

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Attachment 1 to Form 8

Technical Conditions for Cases in Which the Articles of Agreement Are Not Applied

Technical Conditions	Specific Contents
(1) Point of interconnection	a. Subscriber line end b. Subscriber line transmission equipment c. Local switch transmission equipment d. Tandem switch transmission equipment e. Leased-line node transmission equipment f. Signaling tandem switch transmission equipment g. No change in present interconnection point h. Other ()
(2) Types of function-using terminals	• Applicant carrier network side () • NTT-East network side a. Subscriber telephone b. General public telephone c. ISDN terminal d. ISDN public telephone e. Other () • No change in present function-using terminals
(3) Transmission equipment interface	[]
(4) Signaling system	a. No.7 common-channel signaling system in conformity with TTC standards b. I-interface c. Interface between PHS public cell station and digital network d. No change in present signaling system e. Other ()
(5) Signaling network configuration	a. Associated network b. Quasi-associated network
(6) Signaling speed	a. 4.8kb/s b. 48kb/s c. No change in present signaling speed d. Other ()
(7) Numbering system	a. 0 + ABCDE + FGHJ [0: toll prefix; ABCDE: area code + local exchange number; FGHJ: subscriber number] b. 00XY + 0 + ABCDE + FGHJ [00XY:carrier identification number; 0: toll prefix; ABCDE: area code + local exchange number; FGHJ: subscriber number] c. 00XY + x - x + (1 ~ n) [00XY:carrier identification number; x - x: service code] d. 00XY + x - x [00XY:carrier identification number; x - x: international number, etc.] e. 0AO+CD+EFGHJ [0AO: service identification number; CD: carrier identification number; EFGHJ: subscriber number] f. No change in present numbering plan. g. Other ()
(8) Interconnection with NTT-East services	[]
(9) Billing Charging conditions	Charging-start timing: a. Upon receipt of ANM (charging indicator set at charging) b. No change in present charging-start timing c. Other ()

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Charging-start/stop timing	Charging-stop timing: a. Upon receipt of REL b. No change in present charging-stop timing c. Other ()
Calls not subject to charging	a. Unsuccessful calls b. Test calls c. Calls encountering facility faults, etc., that affect charging d. No change in present subject calls e. Other ()
(10) Settlement between carriers	[]
(11) Test methods	a. Manual interconnection test: Confirming good/bad connection by providing automatic answering trunk function to IGS and NCC-GS and manually conducting connection testing from both ends. b. Circuit activation access test: Upon line activation, confirming the name of the line, line number and good/bad calls between originating-switch outgoing side and terminating-switch incoming side c. Manual signaling route test: Confirming normal signaling link d. Circuit matching test: Matching circuit status to eliminate inconsistencies e. No change in present test methods f. Other ()
(12) Congestion control functions	a. In conformity with Article 56 of the Articles of Agreement (Restrictions on Interconnection Messages) b. No change in present control methods c. Other ()
(13) Securing essential communications	[]
(14) Other	[]

Attachment 2 to Form 8

Patterns of Interconnection

	Column 1		
	Originating Carrier	Transit Carrier	Terminating Carrier
1			
2			
3			
4			

	Column 2	Column 3	Column 4
	Carrier Setting User Charges	Carrier Billing User Charges	Carrier Paying Usage-Sensitive Access Charges
1			
2			
3			
4			

- Notes:
1. Please use JIS A4-sized paper in preparing this application.
2. Please attach a diagram (in any format) outlining the interconnection network.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Attachment 3 to Form 8

Setup and Confirmation Items Concerning IP Communications Network Terminating Equipment

Area Name:

Classification	Setup Item	Setup Contents
[1] Authentication information	(1) The format of a user name	
	(2) The format of authentication information that is transferred to the authentication server	
	(3) ISP identifier or sub-domain	
[2] Authentication server setup	(1) Number of authentication server units and IP addresses	
	(2) User authentication system of the authentication server	
	(3) Port number of RADIUS protocol	
	(4) Conditions to switch the authentication server	
	(5) Conditions to switch back the authentication server	
[3] Information on user assignments	(1) Method to assign IP addresses to users	
	(2) Assignment of DNS server IP addresses to users	
	(3) DNS server IP address	
[4] RADIUS sequence	(1) Access-Request Acct-Session-ID (Type=44)	
	(2) Accounting-Request (Start) Framed-IP-Address (Type =8)	
	(3) When authentication is NG: Accounting-Request (Stop)	
[5] Network setup (for cases of interconnection through the concentration connection equipment)	(1) IP address assigned to the network terminating equipment interface	
	(2) IP address assigned to the concentration equipment	
	(3) IP address assigned to the interface on the network terminating equipment side of the concentration connection equipment	
	(4) Network address and its sub-net mask between the network terminating equipment and the concentration connection equipment	
	(5) IP address assigned to the interface on the connection equipment side of the concentration connection equipment	
	(6) IP address assigned to the connection equipment interface	
	(7) Network address and its sub-net mask between the concentration connection equipment and the connection equipment	
[6] IP address groups that are pooled in the network terminating equipment and assigned to users		
[7] Other		

Notes:

1. Please use JIS A4-sized paper in preparing this attachment.
2. If the applicant designates the detailed settings for the IP communications network terminating equipment, please enter such details in the Other section.
3. Please attach the list of attributes and a sequence diagram relating to interconnection as reference materials.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Attachment 4 to Form 8

Specific Contents of Technical Conditions of DSL Lines

Item of Technical Conditions	Specific Contents of Technical Conditions	
DSL system		
ITU Recommendations, etc.	DSL	
	Splitter	
Sending and receiving transmission systems		
Line code		
Transmission system name		
Spectral compatibility confirmation status	· Confirmed (Class A, Class A', Class B, Class C) · Under confirmation	
Contents of usage restrictions	Usage restrictions concerning accommodation	Yes/No
	Usage restrictions concerning line length	Yes () km/No
Signal spectrum	(1) Illustration of power spectral density (PSD) mask regulations (upstream/downstream) (2) Display of power spectral density (PSD) mask regulation values (upstream/downstream) (3) Total transmission power capacity (upstream/downstream)	

Notes:

1. Please use JIS A4-sized paper in preparing this application.
2. Please submit this attachment together with the Preliminary Survey Application in case of newly establishing interconnection to a DSL line and in case of connecting a DSL line by using a new transmission system (meaning a system for which any of the specific contents of technical conditions indicated in this attachment is changed).
3. In the event of submitting this attachment for connecting a DSL line by using a transmission system whose spectral compatibility is under confirmation, please submit this attachment again by including the results of the spectral compatibility confirmation after the spectral compatibility is confirmed at TTC and before the start of interconnection.
4. Please enter the necessary details for the DSL system, sending and receiving transmission systems, and the line code.
5. With respect to the name of the transmission system, please enter the name of the transmission system if such system is included in the Collection of Technical Conditions. Please make entries in such a way that will enable the identification of the transmission system if the transmission system is not included in the Collection of Technical Conditions (meaning a transmission system for which spectral compatibility is under confirmation).
6. With respect to the signal spectrum, please also enter the measurement values respectively with respect to (1) illustration of power spectral density (PSD) mask regulations and (2) display of power spectral density (PSD) mask regulation values.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 9 (Related to Paragraph 2, Article 12)

ACCEPTANCE OF PRELIMINARY SURVEY APPLICATION

Date: _____

To: Mr./Ms. _____
 Company _____

From: NTT East

SEAL

We are pleased to inform you of our acceptance of your Preliminary Survey Application dated _____ (No. _____) on _____.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 10 (Related to Paragraph 1, Article 13)

PRELIMINARY SURVEY REPLY

Date: _____

To: Mr./Ms. _____
 Company _____

From: NTT East

SEAL

With respect to your Preliminary Survey Application dated _____ (No. _____), we are pleased to reply as follows. Please note that the indicated Preliminary Survey Reply will expire one month after the above date if no related Interconnection Application is submitted before that time.

Possibility of interconnection (reasons if interconnection not possible)	
Specific matters for negotiation	
Possible timing for interconnection (including reasons for cases to which Paragraph 5, Article 13 of the Articles of Agreement applies)	
Approximate costs and itemization	

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 11 (Related to Paragraph 1, Article 14)

**APPLICATION FOR CONSULTATION
CONCERNING SOFTWARE DEVELOPMENT COSTS**

No.
Date:

To: NTT East

From: Company:
Name:

SEAL

With respect to your reply dated _____ to our Preliminary Survey Application dated _____ (No. _____), we hereby apply for consultation concerning software development costs in accordance with the provisions of Paragraph 1, Article 14 (Application, Etc., for Consultation Concerning Software Development Costs) of your Articles of Agreement Concerning Interconnection.

Note: Please use JIS A4-sized paper in preparing this application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 12 (Related to Paragraph 1, Article 21)

INTERCONNECTION APPLICATION

Date:

To: NTT East

From: Postal Code:
Address:

Name (Authorized Representative):

SEAL

Regarding your reply dated _____ concerning our Preliminary Survey Application dated _____ (No. _____), we hereby submit this Interconnection Application pursuant to the conditions specified in your reply in accordance with the provisions of Paragraph 1, Article 21 (Application for Interconnection) of your Articles of Agreement Concerning Interconnection.

Note: Please use JIS A4-sized paper in preparing this application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 13 (Related to Paragraph 1, Article 22)

ACCEPTANCE OF INTERCONNECTION APPLICATION

To: Mr./Ms. _____
Company _____
Date: _____
From: NTT East
SEAL

We are pleased to inform you of our acceptance of your Interconnection Application dated _____ (No. _____).

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 14 (Related to Item 1, Paragraph 1, Article 24)

**APPLICATION FOR INTERCONNECTION
TELECOMMUNICATIONS FACILITY CONSTRUCTION**

To: NTT East
No. _____
Date: _____
From: Company: _____
Name: **SEAL**

Pursuant to the provisions of Item 1, Paragraph 1, Article 24 (Submission of Materials Necessary for Application) of your Articles of Agreement Concerning Interconnection, we hereby apply for construction of the interconnection telecommunications facilities during fiscal _____ as described below.

- 1. Application Contents
As described in the materials attached.

Notes:

- 1. Please use JIS A4-sized paper in preparing this application.
- 2. Please attach material concerning voice channels (describing the NTT branch name, POI building name, NTT building name, NTT switch name, interconnecting carrier building name, interconnecting carrier switch name, type of connection, number of circuits at the end of the previous fiscal year, number of circuit at the end of the current fiscal year, and monthly increase/decrease in the number of circuits in the current fiscal year) and material concerning signaling channels (describing the NTT signal area, NTT branch names for STPs for Network A and Network B, NTT building name, NTT unit name, type of link, number of links at the end of the previous fiscal year, number of links at the end of the current fiscal year, and monthly increase/decrease in the number of links).
- 3. Please also attach reference materials (in any format) indicating the area subject to interconnection per POI, origination/termination traffic per unit rate area, and circuit demand projections per POI.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 15 (Related to Item 2, Paragraph 1, Article 24)

**APPLICATION FOR INTERCONNECTION
TELECOMMUNICATIONS FACILITY CONSTRUCTION
(DEPENDENT-TYPE PHS CARRIERS)**

To: NTT East
No. _____
Date: _____

From: Company: _____
Name: _____ **SEAL**

Pursuant to the provisions of Item 2, Paragraph 1, Article 24 (Submission of Materials Necessary for Application) of your Articles of Agreement Concerning Interconnection, we hereby apply for construction of the interconnection telecommunications facilities during fiscal _____ as described below.

1. Application Contents

(1) Business development area and requested service start timing

No.	Business development area		Requested service start timing
	Prefecture name	City name	

(2) Circuit by switching office

No.	Name of switching office	Date		Date	
		Number of base stations	Number of circuits	Number of base stations	Number of circuits

(3) Traffic conditions

PS traffic conditions	Contents	Details, etc.
	Origination/termination ratio (:)	
	Origination completion ratio (%)	
	Termination completion ratio (%)	
	Average call duration (seconds)	
	Busy-hour traffic (traffic/time/PS)	
	Busy-hour calls (number of calls/ time/PS)	

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

	Number of location registrations (number/time/PS)		
CS traffic conditions			
	Number of packet frames (frame/second)		

(4) Traffic by switching office

No.	NTT building name	Busy-hour traffic			Remarks
		Month/year	Month/year	Month/year	

(5) Subscriber registration

Prefecture	Month/year	Month/year	Month/year	Month/year	Month/year	Month/year

(6) CDE code deployment plan

Service identification number: _____

Release date: Month/year _____

CDE code	Remarks

Note: Please use JIS A4-sized paper in preparing this application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 15-1 (Related to Item 3, Paragraph 1, Article 24)

**APPLICATION FOR INTERCONNECTION
TELECOMMUNICATIONS FACILITY CONSTRUCTION**
(Carriers Establishing Interconnection to IP Communications Network Terminating Equipment)

To: NTT East

No.
Date:

From: Company:
Name:

SEAL

Pursuant to the provisions of Item 3, Paragraph 1, Article 24 (Submission of Materials Necessary for Application) of your Articles of Agreement Concerning Interconnection, we hereby apply for construction of the interconnection telecommunications facilities as described below.

1. Application Contents
As indicated in the attached materials.

Notes:

1. Please use JIS A4-sized paper in preparing this application.
2. Please attach a diagram (in any format) showing the outline of the network to be interconnected, and materials indicating the area, the name of the interconnection building, the menu provided to subscribers for each IP network terminating equipment unit, the requested interconnection start timing for each area unit and the availability of the concentration connection equipment in the IP network terminating equipment.
3. Please also submit Attachment 3 to Form 8 (Setup and Confirmation Items Concerning IP Communications Network Terminating Equipment).

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 15-2 (Related to Item 4, Paragraph 1, Article 24)

**APPLICATION FOR INTERCONNECTION
TELECOMMUNICATIONS FACILITY CONSTRUCTION**
(Carriers Establishing Interconnection to Optical/Electric Signal Conversion Equipment or Optical Signal Transmission Equipment)

To: NTT East

No.
Date:

From: Company:
Name:

SEAL

Pursuant to the provisions of Item 4, Paragraph 1, Article 24 (Submission of Materials Necessary for Application) of your Articles of Agreement Concerning Interconnection, we hereby apply for construction of the interconnection telecommunications facilities as described below.

1. Application Contents
As indicated in the attached materials.

Notes:

1. Please use JIS A4-sized paper in preparing this application.
2. With respect to the optical/electric signal conversion equipment, please attach materials that indicate the name of the interconnection building, the requested interconnection start timing for each interconnection building, the number of optical/electric signal conversion equipment units to which interconnection is requested (respectively for concentration type and non-concentration type), and the VLAN ID value in the case of using the concentration type (it is required to designate the 16 sequential values within the range of 1 - 4093 for each equipment unit).
3. With respect to the optical signal transmission equipment, please attached materials that indicate the name of interconnection building, the requested interconnection start timing for each interconnection building, the type of the optical signal transmission equipment (10Mbit/s type or 100Mbit/s type), and the usage format (exclusive use or shared use).

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 16 (Related to Paragraph 1, Article 27)

APPLICATION FOR CHANGE IN INTERCONNECTION TELECOMMUNICATIONS FACILITY CONSTRUCTION

No.
Date:

To: NTT East

From: Company:
Name: SEAL

With respect to our Application for Interconnection Telecommunications Facility Construction dated _____ (No. _____), we hereby apply for the following change(s) in accordance with the provisions of Paragraph 1, Article 27 (Changes, Etc., in Installation or Modification of Interconnection Facilities) of your Articles of Agreement Concerning Interconnection.

1. Contents of Change

Previous (Before change)	New (After change)

Note: Please use JIS A4-sized paper in preparing this application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 17 (Related to Paragraph 1, Article 27)

ACCEPTANCE OF APPLICATION FOR CHANGE IN INTERCONNECTION TELECOMMUNICATIONS FACILITY CONSTRUCTION

Date:

To: Mr./Ms. _____
Company _____

From: NTT East

SEAL

We are pleased to inform you of our acceptance of your Application for Change(s) in Interconnection Telecommunications Facility Construction dated _____ (No. _____).

Remarks

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 18 (Related to Paragraph 3, Article 27)

APPLICATION FOR CANCELLATION OF INTERCONNECTION TELECOMMUNICATIONS FACILITY CONSTRUCTION

No.
Date:

To: NTT East

From: Company:
Name:

With respect to our Application for Interconnection Telecommunications Facility Construction dated _____ (No. _____), we hereby apply for cancellation as follows in accordance with the provisions of Paragraph 3, Article 27 (Changes, Etc., in Installation or Modification of Interconnection Facilities) of your Articles of Agreement Concerning Interconnection.

1. Cancellation Contents

Note: Please use JIS A4-sized paper in preparing this application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 19 (Related to Paragraph 3, Article 27)

ACCEPTANCE OF APPLICATION FOR CANCELLATION OF INTERCONNECTION TELECOMMUNICATIONS FACILITY CONSTRUCTION

Date:

To: Mr./Ms. _____
Company _____

From: NTT East

This will confirm our receipt and acceptance of your Application for Cancellation of Interconnection Telecommunications Facility Construction dated _____ (No. _____).

Remarks

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 20 (Related to Article 28)

COMPLETION NOTICE

To: Mr./Ms. _____
Company _____

Date:

From: NTT East

SEAL

We are pleased to inform you of the completion of interconnection facilities under your Application for Interconnection Telecommunications Facility Construction dated _____ (No. _____).

- 1. Contents of Completed Facilities

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 21 (Related to Paragraph 1, Article 33)

APPLICATION FOR CANCELLATION OF INTERCONNECTION SOFTWARE DEVELOPMENT

No. _____
Date: _____

To: NTT East

From: Company: _____
Name: _____

SEAL

With respect to our Application for Interconnection Software Development dated _____ (No. _____), we hereby apply for cancellation as follows in accordance with the provisions of Paragraph 1, Article 33 (Cancellation of Interconnection Software Development) of your Articles of Agreement Concerning Interconnection.

- 1. Cancellation Contents

Note: Please use JIS A4-sized paper in preparing this application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 22 (Related to Paragraph 1, Article 33)

ACCEPTANCE OF APPLICATION FOR CANCELLATION OF INTERCONNECTION SOFTWARE DEVELOPMENT

To: Mr./Ms. _____
 Company _____

Date: _____

From: NTT East

This will confirm our receipt and acceptance of your Application for Cancellation of Interconnection Software Development dated _____ (No. _____).

Remarks

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 22-2 (Related to Article 36-2)

APPLICATION FOR USAGE CANCELLATION OF FACILITIES SUBJECT TO INDIVIDUAL MANAGEMENT

To: NTT East

No. _____
 Date: _____

From: Company: _____
 Name:

Pursuant to the provisions of, Article 36-2 (Usage Cancellation, Etc., of Facilities Subject to Individual Management Through Application by a Contracting Carrier) of your Articles of Agreement Concerning Interconnection, we hereby apply for usage cancellation of facilities subject to individual management as follows.

Description of facilities subject to individual management whose usage is to be cancelled		Remarks
Installation site of facilities subject to individual management whose usage is to be cancelled	Requested usage cancellation date	

- Notes:
1. Please use JIS A4-sized paper in preparing this application.
 2. In order to make an application for upgrades of facilities subject to individual management, please submit an application for a new installation or modification, or the development of the relevant facility in addition to this application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 23 (Related to Paragraph 1, Article 37)

APPLICATION FOR RELATED WORK

To: NTT East

No.
Date:

From: Company:
Name: SEAL

Pursuant to the provisions of Paragraph 1, Article 37 (Request for Other Works) of your Articles of Agreement Concerning Interconnection, we hereby apply for the implementation of the related work as follows.

1. Application Contents

1. Work outline	
2. Specific work contents	

Note: Please use JIS A4-sized paper in preparing this application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 24 (Related to Paragraph 1, Article 37)

ACCEPTANCE OF APPLICATION FOR RELATED WORK

To: Mr./Ms. _____
Company _____

Date:

From: NTT East

SEAL

We are pleased to inform you of our acceptance of your Application for Related Work dated _____ (No. _____).

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 25 (Related to Paragraph 3, Article 95)

SELF-UNDERTAKEN WORK APPLICATION

No.
Date:

To: NTT East

From: Company:
Name: SEAL

Pursuant to the provisions of Paragraph 3, Article 95 (Contract Concerning Installation or Maintenance of Equipment, Etc., Necessary for Interconnection) of your Articles of Agreement Concerning Interconnection, we hereby apply to conduct the work described below.

1. Application Contents

	Classification	Description			
1. Work outline	Document number, etc., of POI Installation Application				
	Name of building				
	Work contents				
2. Specific work contents	Requested work contents				
	Planned work period	Planned work initiation date	YYMMDD		
		Requested power facility usage start date	YYMMDD		
		Planned work completion date	YYMMDD		
	Vendor name (planned)				
	Usage contents (equipment specifications, etc.)	Equipment name and quantity	Power capacity (A)	Expected power load (KW)	Number of MDF terminals (circuits)
Other					

Notes

1. Please use JIS A4-sized paper in preparing this application.
2. Please enter the requested power facility usage start date when starting the usage of new power facilities.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 26 (Related to Paragraph 2, Article 95-2)

APPLICATION FOR ATTENDANCE DURING CONSTRUCTION (MAINTENANCE)

No.
Date:

To: NTT East

From: Company:
Name: SEAL

Pursuant to the provisions of Paragraph 2, Article 95-2 (Entry for Attendance Purposes by Applicant for Interconnection, Etc.) of your Articles of Agreement Concerning Interconnection, we hereby apply for the person(s) named below to be physically present during the performance of construction (maintenance) work at your communications building.

1. Application Contents

Purpose of entry	
Building name	
Person(s) entering the building	Company: Name(s):
Date/time of entry	Planned start time Date: Time: Planned completion time Date: Time:
Responsible person	Company: Name: Contact numbers: Telephone number: Fax number:
Remarks	

Note: Please use JIS A4-sized paper in preparing this application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 27 (Related to Paragraph 2, Article 95-2)

ACCEPTANCE OF APPLICATION FOR ATTENDANCE DURING CONSTRUCTION (MAINTENANCE)

To: Mr./Ms. _____
 Company _____

Date: _____

From: NTT East

SEAL

We are pleased to inform you of our acceptance of your Application for Attendance During Construction (Maintenance) dated _____ (No. _____).

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 28 (Related to Paragraph 2, Article 95-3)

COMMUNICATIONS BUILDING ENTRY APPLICATION

To: NTT East

No. _____
 Date: _____

From: Company:
 Name: _____

SEAL

Pursuant to the provisions of Paragraph 2, Article 95-3 (Entry When an Applicant for Interconnection Undertakes Installation or Maintenance of Equipment, Etc., Necessary for Interconnection) of your Articles of Agreement Concerning Interconnection, we hereby apply for entry into your communications building described below to carry out construction (maintenance) of the equipment, etc., necessary for interconnection.

1. Application Contents

Purpose of entry	
Building name	
Person(s) entering the building	Company: Name(s):
Date/time of entry	Planned start time Date: Time: Planned completion time Date: Time:
Responsible person	Company: Name: Contact numbers: Telephone number: Fax number:
Remarks	

Note: Please use JIS A4-sized paper in preparing this application.

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.

Form 29 (Related to Paragraph 2, Article 95-3)

**ACCEPTANCE OF
COMMUNICATIONS BUILDING ENTRY APPLICATION**

Date:

To: Mr./Ms. _____
Company _____

From: NTT East

SEAL

We are pleased to inform you of our acceptance of your Communications Building Entry Application dated _____ (No. _____).

Before submitting this application, please carefully review the information contained in the Articles of Agreement Concerning Interconnection, the Guidebook for Interconnection and on the NTT East Homepage.