

Attached Table 3: Forms
Form 1 (Related to Paragraph 1, Article 10-2)

To: NTT-East/NTT-West

No.
 Date:

From: Company:
 Name: SEAL

PRELIMINARY INQUIRY APPLICATION

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, or the requested interconnection area, etc., of the fixed radio communications network, etc.

1. Requested Information

Planned POI installation site or optical line facility usage section, <u>or the requested interconnection area, etc., of the fixed radio communications network, etc.</u>	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.

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) optical indoor wiring and (3) an optical subscriber line and optical indoor wiring.
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.)		

① Information concerning superintendent of user building (building owner/building superintendent) (name of company, name of contact person, contact telephone number, etc.)	
② Information concerning the person in attendance at time of entry to user building (name of company, name of contact person, contact telephone number, etc.)	
③ 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 optical indoor wiring, please make certain to enter the information concerning ① the superintendent of the user building, ② the person in attendance at the time of the entry to the user building, and ③ the coordinating person for the usage of conduit, etc., in the user building (please complete Section ② only when the person entered in ① is different from ②; please complete Section ③ only when the person entered in ③ is different from ① and ②). 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.

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

Date:

To: Mr./Ms. _____
 Company _____

From: NTT-East/NTT-West
SEAL

PRELIMINARY INQUIRY REPLY

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.

Attachment to Form 2

Preliminary Inquiry Reply (Optical Subscriber Line)

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

Note: JIS A4-sized paper will be used.

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

For reference purposes only

To: NTT-East/NTT-West

No.
Date:

From: Company:
Name:

SEAL

POI SURVEY APPLICATION

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.

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			

Line/underground facilities	Number of routes	
	Number of conduits	
	Number of cables	
	Fiber count	
	Type of optical fiber	
Usage contents		
Other		

Notes:

1. Please use JIS A4-sized paper in preparing this application.
2. Please attach materials (in any format) describing the specifications of the equipment to be installed.
3. 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.
4. 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.
5. As a condition for installing cabinet racks, the installation standards separately prescribed must be met.
6. 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.

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

Date:

To: Mr./Ms. _____
 Company _____

From: NTT-East/NTT-West

SEAL

POI SURVEY REPLY

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.	

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

For reference purposes only

To: NTT-East/NTT-West

No.
Date:

From: Company
Name: SEAL

POI INSTALLATION APPLICATION

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.

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

To: NTT-East/NTT-West

No.
Date:

From: Company
Name: SEAL

POI INSTALLATION WORK INITIATION EXTENSION APPLICATION

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.

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

To: NTT-East/NTT-West

No.
Date:

From: Company
Name: SEAL

COMMUNICATIONS BUILDING ENTRY APPLICATION

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.

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

To: Mr./Ms. _____
Company _____

Date: _____

From: NTT-East/NTT-West
SEAL

ACCEPTANCE OF COMMUNICATIONS BUILDING ENTRY APPLICATION

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

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

To: NTT-East/NTT-West

No. _____
Date: _____

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

LINE FACILITY SURVEY APPLICATION (Optical Interoffice Line)

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.

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

No.
Date:

To: Mr./Ms. _____
Company _____

From: NTT-East/NTT-West

SEAL

LINE FACILITY SURVEY REPLY (Optical Interoffice Line)

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 Results (Optical Interoffice Line)

No.	Route code	Survey Results											Remarks						
		Meeting requested start timing	Possible or Not possible	Reason	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
Requested cores	Available cores	Application									Reply								

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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.

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

No.

Date:

To: NTT-East/NTT-West

From: Company:

Name:

SEAL

OPTICAL LINE FACILITY INTERCONNECTION APPLICATION

(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)	
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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.

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 optical indoor wiring, 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.)		
① Information concerning superintendent of user building (building owner/building superintendent) (name of company, name of contact person, contact telephone number, etc.)		
② Information concerning the person in attendance at time of entry to user building (name of company, name of contact person, contact telephone number, etc.)		
③ 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:

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. 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.
4. When requesting a survey concerning optical indoor wiring, please make certain to enter the information concerning ① the superintendent of the user building, ② the person in attendance at the time of the entry to the user building, and ③ the coordinating person for the usage of conduit, etc., in the user building (please complete Section ② only when the person entered in ① is different from ②; please complete Section ③ only when the person entered in ③ is different from ① and ②). 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.

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					

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Notes:

1. Please use JIS A4-sized paper in preparing this attachment.
2. Please select from the following for the type of use.
 - (1) When requesting the use of an optical intra-office transmission line that is installed as part of the NTT optical line facilities.
 - (2) 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).
 - (3) When requesting the use of an optical intra-office backup transmission line.
3. 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.
4. 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.

Form 8 (Related to Paragraph 2, Article11)

To: NTT-East/NTT-West

No. _____
 Date: _____

From: _____ Company: _____
 Name: _____ SEAL

PRELIMINARY SURVEY APPLICATION

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) Applicant carrier's network interconnection area:
(2) Area subject to interconnection per POI	NTT-East's network interconnection area:
4. Technical conditions for interconnection (physical, electrical and logical conditions)	
Addition of new technical	Yes No

conditions			
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 48kb/s
		Circuit reservation	Priority originating-user 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 (2) Applicant carrier facilities to be collocated within NTT-East buildings (if any) • Type, quantity, dimensions of facilities to be installed • Electric power requirements • Other installation conditions • Other		(Complete only when the requested POI installation site in 2(1) (Demarcation point for telecommunications facilities) above is located within an NTT-East building.)	
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 value-added service; shared use			
Domestic value-added and international value-added			

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 value-added service; dedicated use" or "international value-added 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				

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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> • Applicant carrier network side () • NTT-East network side <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> a. Associated network b. Quasi-associated network
(6) Signaling speed	<ul style="list-style-type: none"> a. 4.8kb/s b. 48kb/s c. No change in present signaling speed d. Other ()
(7) Numbering system	

	<p>a.0 + ABCDE + FGHIJ [0: toll prefix; ABCDE: area code + local exchange number; FGHIJ: subscriber number]</p> <p>b. 00XY + 0 + ABCDE + FGHIJ [00XY:carrier identification number; 0: toll prefix; ABCDE: area code + local exchange number; FGHIJ: subscriber number]</p> <p>c. 00XY + x ~ x + (1 ~ n) [00XY:carrier identification number; x ~ x : service code]</p> <p>d. 00XY + x ~ x [00XY:carrier identification number; x ~ x :international number, etc.]</p> <p>e. 0A0 + CD + EFGHIJ [0A0: service identification number; CD: carrier identification number; EFGHIJ: subscriber number]</p> <p>f. No change in present numbering plan.</p>
(8) Interconnection with NTT-East services	g. Other () []
(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
Charging-start/stop timing	c. Other ()
	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	<p>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.</p> <p>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</p> <p>c. Manual signaling route test: Confirming normal signaling link</p> <p>d. Circuit matching test: Matching circuit status to eliminate inconsistencies</p> <p>e. No change in present test methods</p> <p>f. Other ()</p>
(12) Congestion control functions	<p>a. In conformity with Article 56 of the Articles of Agreement (Restrictions on Interconnection Messages)</p> <p>b. No change in present control methods</p> <p>c. Other ()</p>
(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.

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	

For reference purposes only

	(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.

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		Already confirmed (Class A/Class A'/ Class B/Class C); under confirmation
Contents of usage restrictions	Usage restrictions in terms of accommodation	Yes/No
	Usage restrictions in terms of the converted 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 the Preliminary Survey Application together with this attachment in case of newly establishing interconnection to a DSL line and in case of interconnecting a DSL line by using a new transmission system (meaning cases in which any of the specific contents of the technical conditions in this attachment is changed).

3. In case this attachment is submitted in order to interconnect with a DSL line using a transmission system for which spectral compatibility is being confirmed, please submit this attachment (limited to that in which the results of the confirmation of spectral compatibility are indicated) 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 specified in the Collection of Technical Conditions. Please make entries in a way that will enable the identification of the transmission system if the transmission system is not specified in the Collection of Technical Conditions (meaning those whose spectral compatibility is under confirmation).
6. With respect to the signal spectrum, please also enter the measurement values with respect to (1) illustration of power spectral density (PSD) mask regulations and (2) display of power spectral density (PSD) mask regulation values.

Form 9 (Related to Paragraph 2, Article 12)

To: Mr./Ms. _____
 Company _____

Date: _____

From: NTT-East/NTT-West
SEAL

ACCEPTANCE OF PRELIMINARY SURVEY APPLICATION

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

Form 10 (Related to Paragraph 1, Article 13)

To: Mr./Ms. _____
 Company _____

Date: _____

From: NTT-East/NTT-West
SEAL

PRELIMINARY SURVEY REPLY

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	

Form 11 (Related to Paragraph 1, Article 14)

To: NTT-East/NTT-West

No. _____
 Date: _____

From: _____ Company: _____

Name: SEAL

**APPLICATION FOR CONSULTATION
CONCERNING SOFTWARE DEVELOPMENT COSTS**

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.

Form 12 (Related to Paragraph 1, Article 21)

To: NTT-East/NTT-West
Date: _____
From: Postal Code: _____
Address: _____
Name (Authorized Representative): SEAL

INTERCONNECTION APPLICATION

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.

Form 13 (Related to Paragraph 1, Article 22)

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

ACCEPTANCE OF INTERCONNECTION APPLICATION

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

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

To: NTT-East/NTT-West
No. _____
Date: _____
From: Company: _____
Name: SEAL

**APPLICATION FOR INTERCONNECTION
TELECOMMUNICATIONS FACILITY CONSTRUCTION**

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 information on accommodation status of transmission equipment, etc., 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) and information on accommodation status of transmission equipment, etc.
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.

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

To: NTT-East/NTT-West

No.
Date:

From: Company:
Name: SEAL

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

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 _____	Contents	Details, etc.
------------------	----------	---------------

conditions	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)		
	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.

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

To: NTT-East/NTT-West

No.
Date:

From: Company:
Name:

SEAL

**APPLICATION FOR INTERCONNECTION
TELECOMMUNICATIONS FACILITY CONSTRUCTION
(CARRIERS ESTABLISHING INTERCONNECTION TO IP COMMUNICATIONS NETWORK
TERMINATING EQUIPMENT)**

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

For reference purposes only

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).

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

To: NTT-East/NTT-West

No.
Date:

From: Company:
Name: SEAL

**APPLICATION FOR INTERCONNECTION
TELECOMMUNICATIONS FACILITY CONSTRUCTION
(CARRIERS ESTABLISHING INTERCONNECTION TO OPTICAL/ELECTRIC SIGNAL
CONVERSION EQUIPMENT OR OPTICAL SIGNAL TRANSMISSION EQUIPMENT)**

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 (100Mbps/s type (respectively for concentration type or non-concentration type) or respectively for 1Gbits/s type, and the VLAN ID value in the case of using the concentration type of 100Mbps/s 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, and the type of the optical signal transmission equipment (10Mbps/s type or 1Gbits/s type).

Form 15-3 (Related to Item 5, Paragraph 1, Article 24)

To: NTT-West

No.
Date:

From: Company:
Name: SEAL

**APPLICATION FOR INTERCONNECTION
TELECOMMUNICATIONS FACILITY CONSTRUCTION
(CARRIERS ESTABLISHING INTERCONNECTION TO FIXED RADIO COMMUNICATIONS
NETWORK TERMINATING EQUIPMENT)**

Pursuant to the provisions of Item 5, 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. When the installation site of a fixed radio base station is specified, please attach materials that indicate the installation site (information on the land owner of such installation site must be included) and requested interconnection start timing. When the installation site of a fixed radio base station is not specified, please attach materials that indicate the requested interconnection area (the street number and name of town must be designated), the number of fixed radio base stations and requested interconnection start timing for each fixed radio base station.

Form 16 (Related to Paragraph 1, Article 27)

No.
Date:

To: NTT-East/NTT-West

From: Company:
Name: SEAL

APPLICATION FOR CHANGE IN INTERCONNECTION TELECOMMUNICATIONS FACILITY CONSTRUCTION

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.

Form 17 (Related to Paragraph 1, Article 27)

Date:

To: Mr./Ms. _____
Company _____

From: NTT-East/NTT-West
SEAL

ACCEPTANCE OF APPLICATION FOR CHANGE IN INTERCONNECTION TELECOMMUNICATIONS FACILITY CONSTRUCTION

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

Remarks	
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Form 18 (Related to Paragraph 3, Article 27)

No.
Date:

To: NTT-East/NTT-West

For reference purposes only

From: Company:
Name: SEAL

APPLICATION FOR CANCELLATION OF INTERCONNECTION TELECOMMUNICATIONS FACILITY CONSTRUCTION

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.

Form 19 (Related to Paragraph 3, Article 27)

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

ACCEPTANCE OF APPLICATION FOR CANCELLATION OF INTERCONNECTION TELECOMMUNICATIONS FACILITY CONSTRUCTION

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

Remarks	
---------	--

Form 20 (Related to Article 28)

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

COMPLETION NOTICE

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

Form 21 (Related to Paragraph 1, Article 33)

To: NTT-East/NTT-West
From: Company:
Name: SEAL
No. _____
Date: _____

APPLICATION FOR CANCELLATION OF INTERCONNECTION SOFTWARE DEVELOPMENT

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.

Form 22 (Related to Paragraph 1, Article 33)

To: Mr./Ms. _____
 Company _____

Date:

From: NTT-East/NTT-West

SEAL

ACCEPTANCE OF APPLICATION FOR CANCELLATION OF INTERCONNECTION SOFTWARE DEVELOPMENT

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

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

To: NTT-East/NTT-West

No.
 Date:

From: Company:
 Name:

SEAL

APPLICATION FOR USAGE CANCELLATION OF FACILITIES SUBJECT TO INDIVIDUAL MANAGEMENT

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.

Form 23 (Related to Paragraph 1, Article 37)

To: NTT-East/NTT-West

No.
 Date:

From: Company:
 Name:

SEAL

For reference purposes only

APPLICATION FOR RELATED WORK

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.

Form 24 (Related to Paragraph 1, Article 37)

Date:

To: Mr./Ms. _____
 Company _____

From: NTT-East/NTT-West
SEAL

ACCEPTANCE OF APPLICATION FOR RELATED WORK

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

Form 25 (Related to Paragraph 3, Article 95)

No.
 Date:

To: NTT-East/NTT-West

From: Company:
 Name: SEAL

SELF-UNDERTAKEN WORK APPLICATION

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

1. Work outline	Classification	Description	
	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.

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

No.
Date:

To: NTT-East/NTT-West

From: Company:
Name: SEAL

**APPLICATION FOR ATTENDANCE
DURING CONSTRUCTION (MAINTENANCE)**

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.

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

Date:

To: Mr./Ms. _____
Company _____

From: NTT-East/NTT-West
SEAL

For reference purposes only

**ACCEPTANCE OF APPLICATION FOR ATTENDANCE
DURING CONSTRUCTION (MAINTENANCE)**

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

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

No.
Date:

To: NTT-East/NTT-West

From: Company:
Name: SEAL

COMMUNICATIONS BUILDING ENTRY APPLICATION

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.

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

Date:

To: Mr./Ms. _____
Company _____

From: NTT-East/NTT-West
SEAL

**ACCEPTANCE OF
COMMUNICATIONS BUILDING ENTRY APPLICATION**

We are pleased to inform you of our acceptance of your Communications Building Entry Application

For reference purposes only

dated _____ (No. _____).