What you can do with this procedure
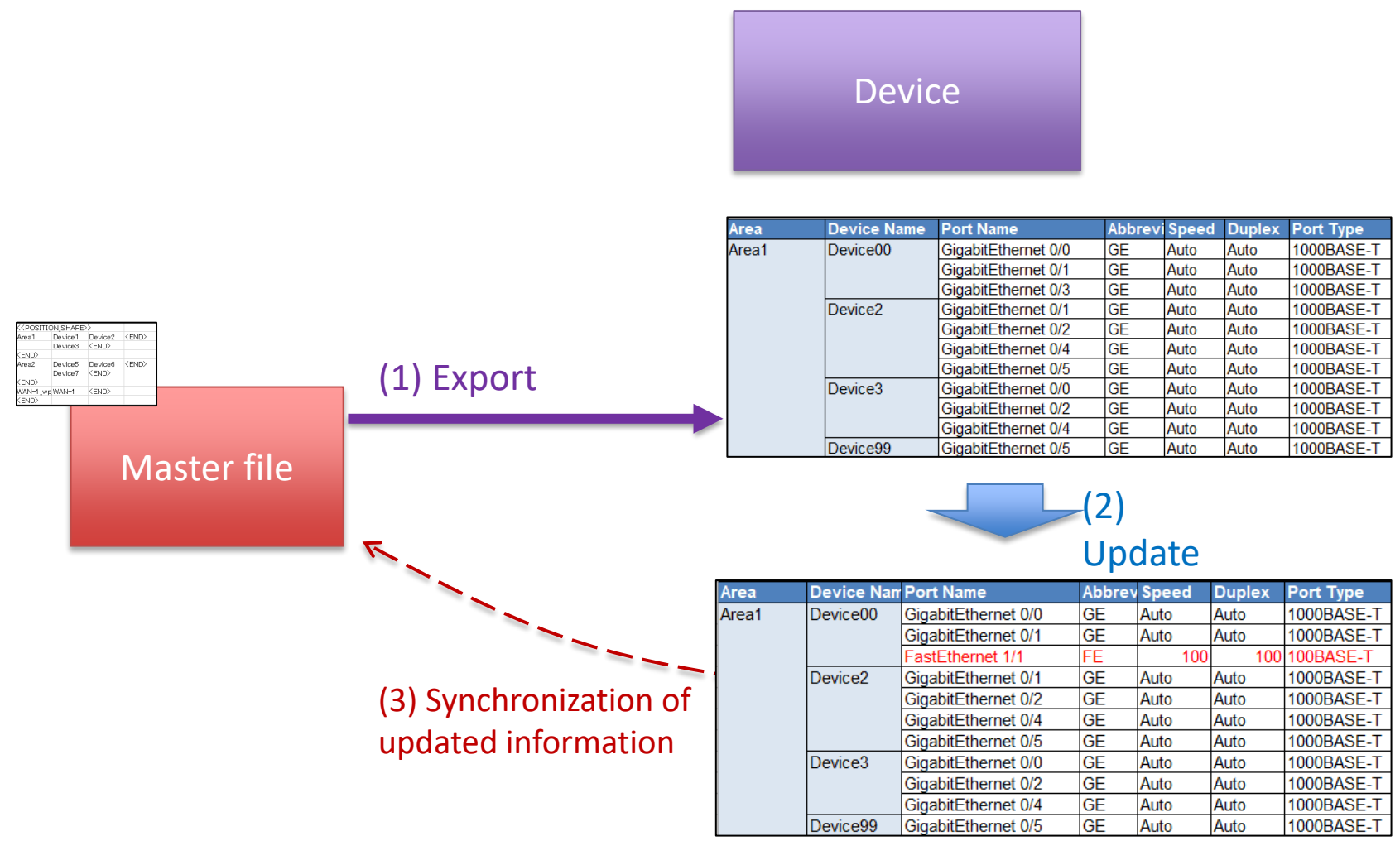
Synchronize the [L1 Table] sheet of the updated device file to the master file.

Device

Master file

(1) Export

Area	Device Name	Port Name	Abbrevi	Speed	Duplex	Port Type
Area1	Device00	GigabitEthernet 0/0	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/1	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/3	GE	Auto	Auto	1000BASE-T
	Device2	GigabitEthernet 0/1	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/2	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/4	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/5	GE	Auto	Auto	1000BASE-T
	Device3	GigabitEthernet 0/0	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/2	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/4	GE	Auto	Auto	1000BASE-T
	Device99	GigabitEthernet 0/5	GE	Auto	Auto	1000BASE-T

(2) Update

(3) Synchronization of updated information

Area	Device Nam	Port Name	Abbrev	Speed	Duplex	Port Type
Area1	Device00	GigabitEthernet 0/0	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/1	GE	Auto	Auto	1000BASE-T
		FastEthernet 1/1	FE	100	100	100BASE-T
	Device2	GigabitEthernet 0/1	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/2	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/4	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/5	GE	Auto	Auto	1000BASE-T
	Device3	GigabitEthernet 0/0	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/2	GE	Auto	Auto	1000BASE-T
		GigabitEthernet 0/4	GE	Auto	Auto	1000BASE-T
	Device99	GigabitEthernet 0/5	GE	Auto	Auto	1000BASE-T

(1) Generation of device port management table

Export the device file by referring to "2-4 Exporting Device Files".

(2) Update [L1 Table] sheet 1 Explanation of each item

The explanation of each item on the [L1 Table] sheet is as follows. Blue cells are edit-inhibitive. White cells are editable.

Area Name

Device name

Port type, port number

Abbreviated port name (used in configuration diagram)

Port Speed

Port Duplex

Port Type

Device name

Abbreviated port name, port number

Abbreviated port name, port number of the connection destination

Name of the device to be connected

Do not edit

Editable

Do not edit

Area	Device Name	Port Name	Abbreviation	Speed	Duplex	Port Type	[src] Device Name	[src] Port Name	[dst] Device Name	[dst] Port Name
Area2	Device5	GigabitEthernet 0/4	GE	Auto	Auto	1000BASE-T	Device5	GE 0/4	Device7	GE 0/4
		GigabitEthernet 0/5	GE	Auto	Auto	1000BASE-T	Device5	GE 0/5	Device6	GE 0/5
		GigabitEthernet 0/8	GE	Auto	Auto	1000BASE-T	Device5	GE 0/8	Device7	GE 0/8
		GigabitEthernet 0/9	GE	Auto	Auto	1000BASE-T	Device5	GE 0/9	Device6	GE 0/9
	Device6	GigabitEthernet 0/5	GE	Auto	Auto	1000BASE-T	Device6	GE 0/5	Device5	GE 0/5
		GigabitEthernet 0/6	GE	Auto	Auto	1000BASE-T	Device6	GE 0/6	Device7	GE 0/6
		GigabitEthernet 0/7	GE	Auto	Auto	1000BASE-T	Device6	GE 0/7	WAN-1	GE 0/7
		GigabitEthernet 0/9	GE	Auto	Auto	1000BASE-T	Device6	GE 0/9	Device5	GE 0/9
		GigabitEthernet 0/10	GE	Auto	Auto	1000BASE-T	Device6	GE 0/10	Device7	GE 0/10
		GigabitEthernet 0/4	GE	Auto	Auto	1000BASE-T	Device7	GE 0/4		GE 0/4
		GigabitEthernet 0/6	GE	Auto	Auto	1000BASE-T	Device7	GE 0/6		GE 0/6
		GigabitEthernet 0/8	GE	Auto	Auto	1000BASE-T	Device7	GE 0/8	Device5	GE 0/8
		GigabitEthernet 0/10	GE	Auto	Auto	1000BASE-T	Device7	GE 0/10	Device6	GE 0/10
Area 1	Device2	GigabitEthernet 0/1	GE	Auto	Auto	1000BASE-T	Device2	GE 0/1	Device 1	GE 0/1
		GigabitEthernet 0/2	GE	Auto	Auto	1000BASE-T	Device2	GE 0/2	Device3	GE 0/2
	Device3	GigabitEthernet 0/0	GE	Auto	Auto	1000BASE-T	Device3	GE 0/0	Device 1	GE 0/0
		GigabitEthernet 0/2	GE	Auto	Auto	1000BASE-T	Device3	GE 0/2	Device2	GE 0/2
	Device 1	GigabitEthernet 0/0	GE	Auto	Auto	1000BASE-T	Device 1	GE 0/0	Device3	GE 0/0
		GigabitEthernet 0/1	GE	Auto	Auto	1000BASE-T	Device 1	GE 0/1	Device2	GE 0/1
		GigabitEthernet 0/3	GE	Auto	Auto	1000BASE-T	Device 1	GE 0/3	WAN-1	GE 0/3
N/A	WAN-1	GigabitEthernet 0/3	GE	Auto	Auto	1000BASE-T	WAN-1	GE 0/3	Device 1	GE 0/3
		GigabitEthernet 0/7	GE	Auto	Auto	1000BASE-T	WAN-1	GE 0/7	Device6	GE 0/7

L1 Table | L2 Table | L3 Table

(2) Update [L1 Table] sheet 2 Edit Port Name item

- Port Name Naming Conventions

  Please put a space between the port type name and the port number.

  [Port type name] + [Space] + [Port number]

  GigabitEthernet 0/4

  * If there is a half-width space in the port type name, it will be deleted at the time of update.

- Port Name must be unique within the device

  To ensure accurate port and port termination management, port names within the same device must be unique.

OK

Device Name	Port Name
Device5	GigabitEthernet 0/4
	GigabitEthernet 0/5
	GigabitEthernet 0/8
	GigabitEthernet 0/9
Device6	GigabitEthernet 0/5
	GigabitEthernet 0/6
	GigabitEthernet 0/7
	GigabitEthernet 0/9
	GigabitEthernet 0/10

Two GigabitEthernet 0/5 present but OK for different devices

NG

Device Name	Port Name
Device5	GigabitEthernet 0/4
	GigabitEthernet 0/5
	GigabitEthernet 0/5
	GigabitEthernet 0/9
Device6	GigabitEthernet 0/5
	GigabitEthernet 0/10

NG because there are two GigabitEthernet 0/5 in the same device

* To be precise, it is recognized by the combination of abbreviated port name + port number.
* The changes are listed in red, but the color does not matter.

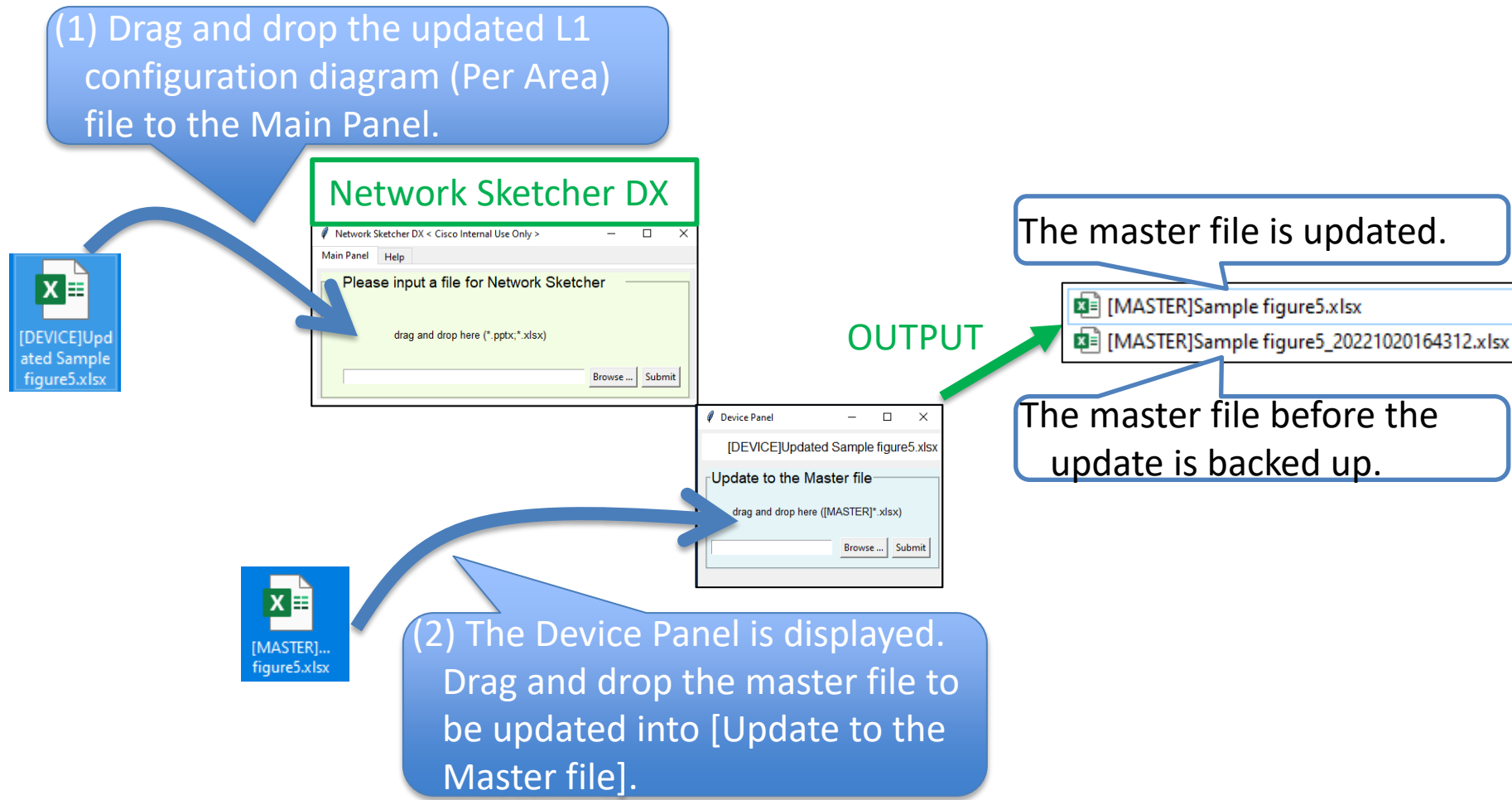# (2) Update [L1 Table] sheet3 Items other than Port Name items

Items other than Port Name have no particular naming convention. For the Abbreviation (Diagram) item, it is recommended to use 2 characters or less for ease of viewing in the configuration diagram.

Device Name	Port Name	Abbreviation(Diagram)	Speed	Duplex	Port Type
Device5	FastEthernet 1/4	FE	1000	FULL	1000BASE-SX
	GigabitEthernet 2/5	GE	Auto	Auto	1000BASE-T
	GigabitEthernet 0/55	GE	Auto	Auto	1000BASE-T
	GigabitEthernet 1/0/66	GE	Auto	Auto	1000BASE-T

* The changes are listed in red, but the color does not matter.

(3) Synchronization of update information 1

Select and synchronize the updated device file and the destination master data file. Since the master data is updated, the original master data is backed up with "_yyyymmddhhss" in the file name.

(1) Drag and drop the updated L1 configuration diagram (Per Area) file to the Main Panel.

Network Sketcher DX

Network Sketcher DX < Cisco Internal Use Only >

Main Panel | Help

Please input a file for Network Sketcher

drag and drop here (*.pptx;*.xlsx)

Browse ... | Submit

[DEVICE]Updated Sample figure5.xlsx

The master file is updated.

OUTPUT

[MASTER]Sample figure5.xlsx
[MASTER]Sample figure5_20221020164312.xlsx

The master file before the update is backed up.

Device Panel

[DEVICE]Updated Sample figure5.xlsx

Update to the Master file

drag and drop here ([MASTER]*.xlsx)

Browse ... | Submit

[MASTER]... figure5.xlsx

(2) The Device Panel is displayed. Drag and drop the master file to be updated into [Update to the Master file].

(3) Synchronization of update information 2

Refer to "2-4 Exporting Device Files (with commentary)" and check the synchronization by regenerating the L1 configuration diagram from the master file after synchronization.

Updated L1 Table sheet

Device Name	Port Name	Abbreviation(Diagram)
Device5	FastEthernet 1/4	FE
	GigabitEthernet 1/2/5	GE
	GigabitEthernet 1/55	GE
	GigabitEthernet 0/66	GE

[L1 Table] sheet regenerated from the master file after synchronization

Device Name	Port Name	Abbreviation(Diagram)
Device5	FastEthernet 1/4	FE
	GigabitEthernet 0/66	GE
	GigabitEthernet 1/55	GE
	GigabitEthernet 1/2/5	GE