

Current Status and Future Plan of AMDCN

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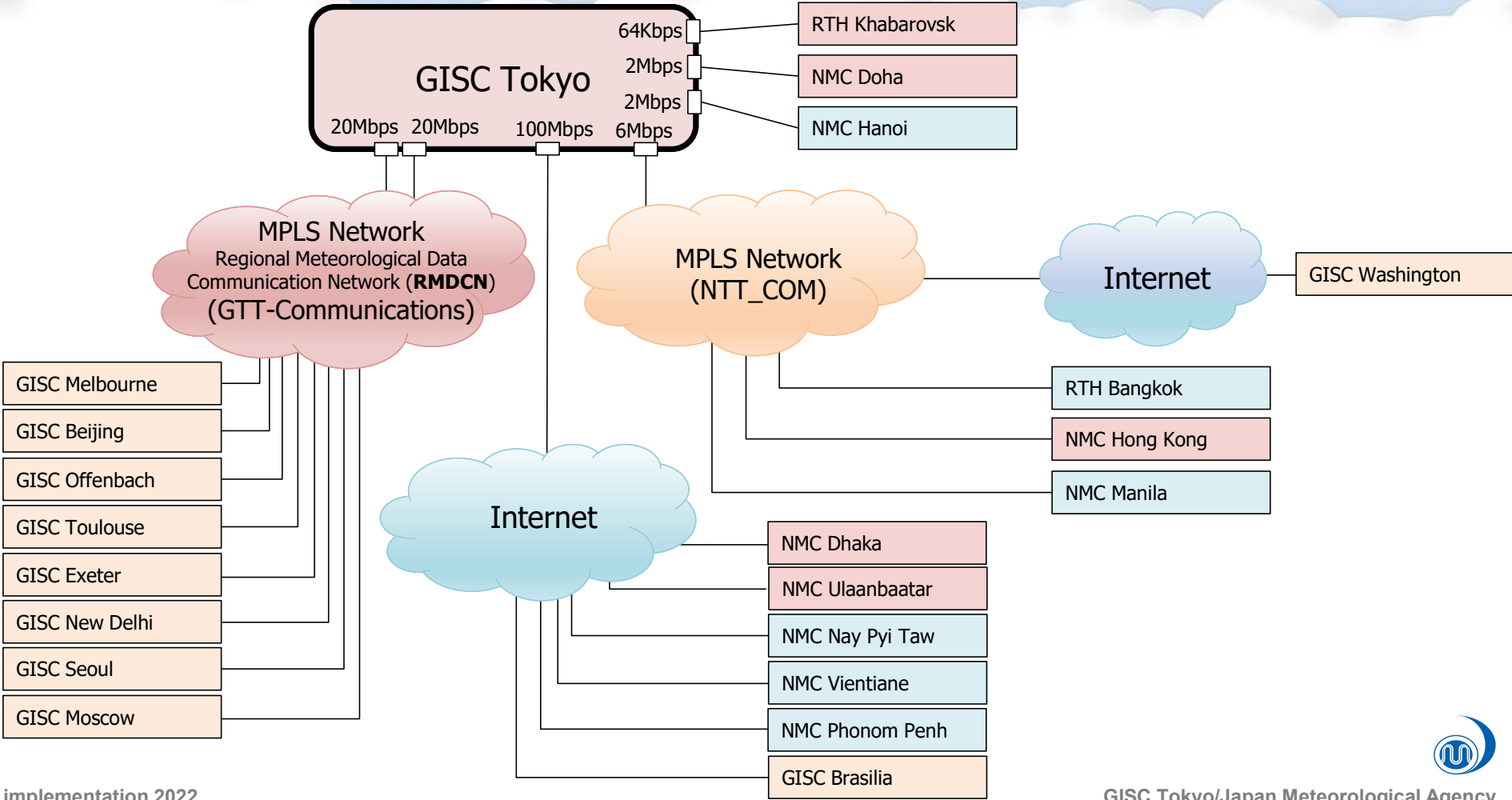
Information and Communications Technology Division

Information Infrastructure Department

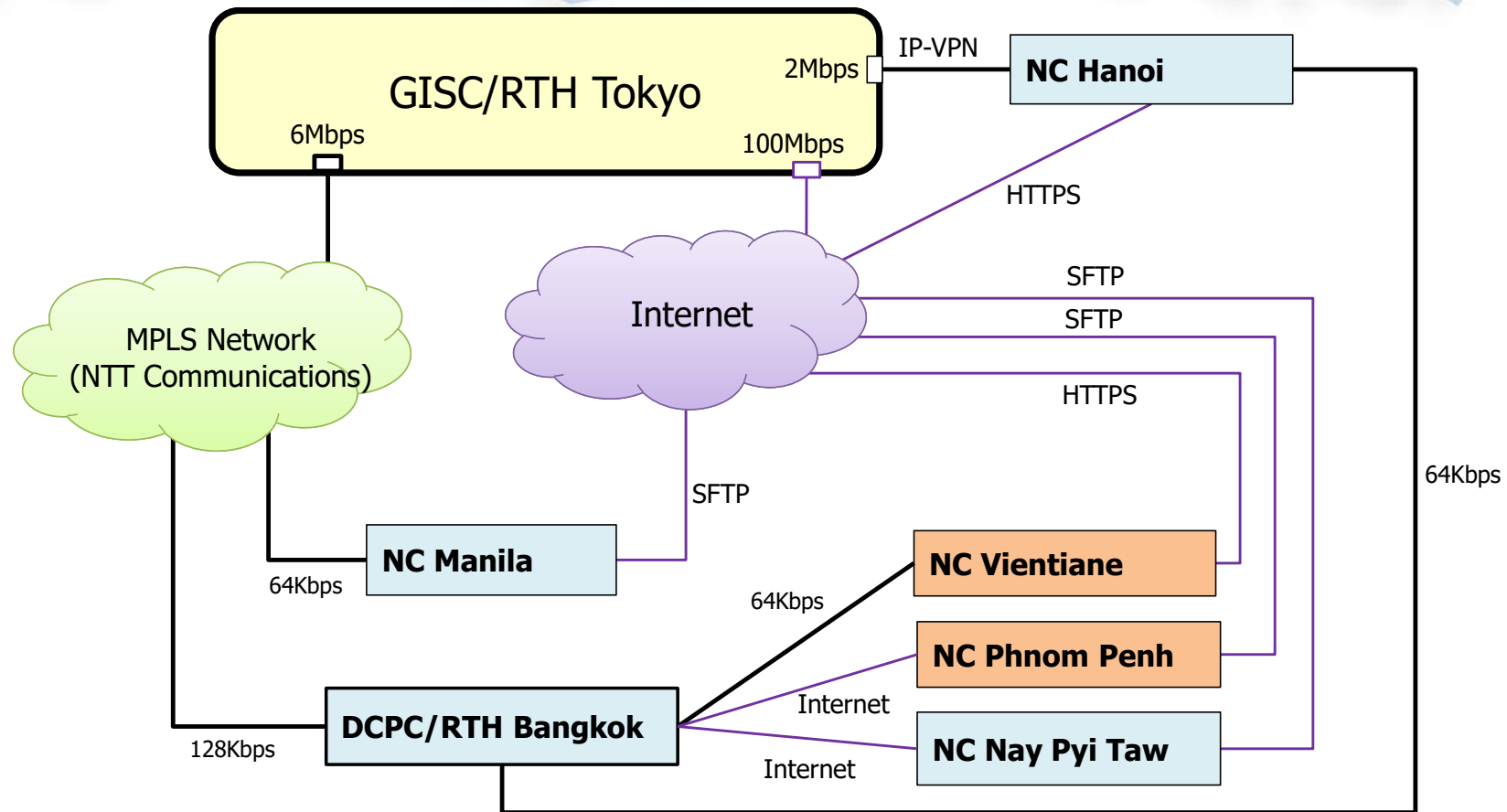
Japan Meteorological Agency



Current network of GISC Tokyo



Current AMDCN of GISC Tokyo



Current status of AMDCN of GISC Tokyo

Link Type	Connect to	WMO Socket	FTP message	FTP File	Daily Traffic	
					TX	RX
NTT_COM MPLS (6Mbps)	Bangkok (128Kbps)	AN, BI	---	---	167.4MB	3.4MB
	Manila (64Kbps)	AN, BI	---	---	190.7MB	0.1MB
IP-VPN	Hanoi (2Mbps)	---	AN, BI	Sat	186.4MB	0MB
SFTP/HTTPS (Best Effort 100Mbps)	Nay Pyi Taw (SFTP)	---	AN, BI	---	439MB	0.1MB
	Manila (Cebu) (SFTP)	---	AN, BI	---	---	---
	Phnom Penh (SFTP)	---	AN, BI	---	73MB	0.01MB
	Vientiane (HTTPS)	---	AN, BI	---	69MB	0.1MB
	Hanoi (HTTPS)	---	AN, BI	---	---	0MB

SFTP

In Autumn of 2020,

- Migration from the AMDCN test server to the WIS server
- Migration from Internet-VPN to SFTP/HTTPS

SFTP tests started:

25 September 2020, Ulaanbaatar

29 September 2020, Dhaka

29 September 2020, Manila

13 October 2020, Nay Pyi Taw

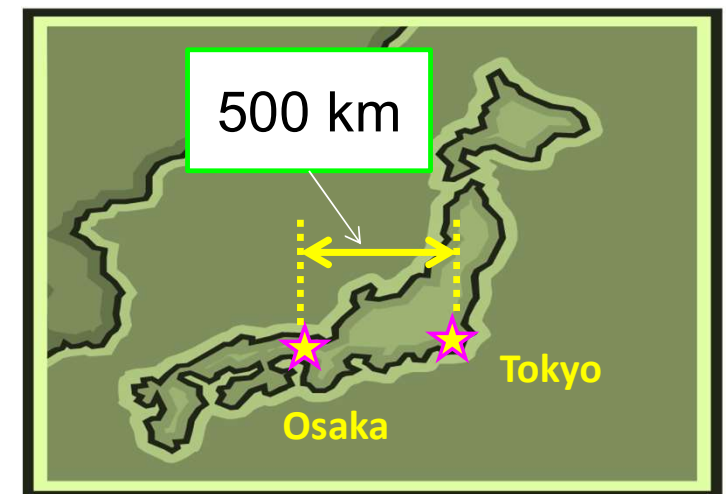
27 October 2020, Cebu

10 November 2020, Phnom Penh

Migration was completed by 18 November 2020

Replacement of GISC Tokyo's MSS

- Tokyo site was replaced in February 2021
- Osaka site (DRS) was replaced in March 2021
- Sever performance was upgraded
- The new MSS takes over most of the functions of the former one
- The new MSS can use SFTP on the GTS



Future Plan of AMDCN

- Some centres without a direct link with GISC Tokyo established a link via the Internet
- We have to keep stable meteorological data exchange to implement the current WIS
- WIS2.0 will drastically change the structure of the current network based on the GTS
- That migration and change will be done in phases
- GISC Tokyo supports the migration technically

Thank you

