

VIET NAM
Status of the
information systems & operations
at VNMHA

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JMA WIS Workshop
17-19 January 2022, on-line (MS-Teams)

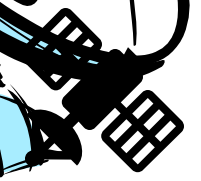
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- Presentation

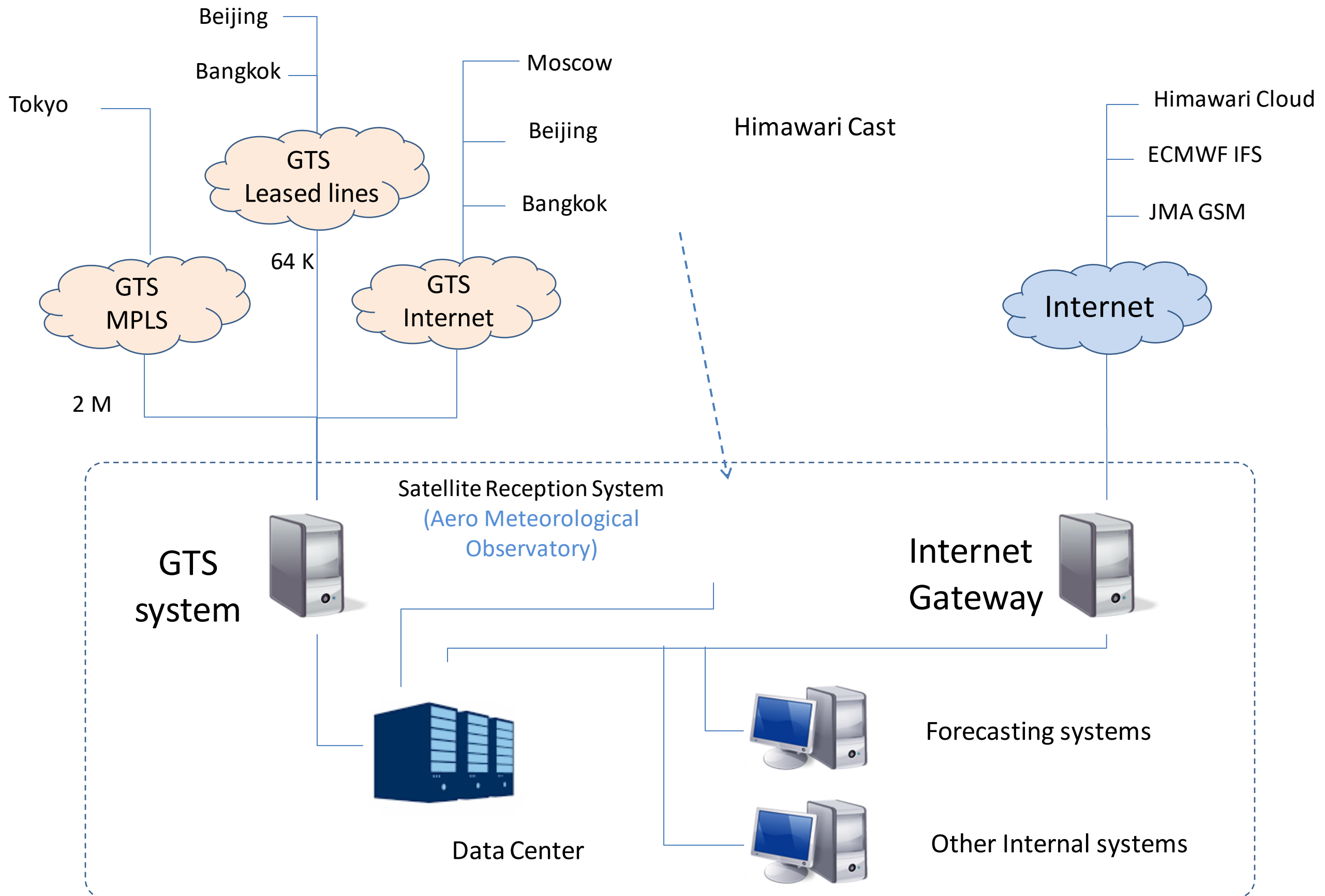
1. System/network configuration
2. Internet tools
3. Utilize Internet Services
4. Plans, Issues etc.

- Annexes

- a. International Connections
- b. Data reception from GTS/WIS
- c. Data provision to GTS/WIS



1. System/network configuration



2. Internet tools

- VNMHA internal tools for day-to-day operation
 - SmartMet (A product of Finnish Meteorological Institute)
 - (Forecasting Desktop Application connecting through Internet)
 - CDH (Center Data Hub)
 - (Data providing website using APIs)
- Other tools for day-to-day operation
 - JMA SATAID
 - <https://www.wis-jma.go.jp/cms/sataid/>
 - ECMWF forecast charts and data
 - <https://www.ecmwf.int/en/forecasts>
 - WIGOS Data Quality Monitoring System
 - <https://wdqms.wmo.int/>

3. Utilize Internet Services

- Providing information to public
 - VNMHA Official website
 - <http://vmha.gov.vn/>
 - Official Forecasting Website
 - <https://www.nchmf.gov.vn/kttvsite>
 - Weather App
 - [WeatherVN](#)

4. Plans, Issues etc.

- Changes/progress in last three years
 - A Center Data Hub has been established in the late of 2021 and it is now in testing phase
- Planned changes/improves
 - VNMHA Portal is planning
- Any other issues of interest
 - TAC/TDCCF migration: There are still some problems in TAC/TDCCF migration (in providing and receiving data)

ANNEX

- Following items (after this slide) will not be presented by participants, however you can discuss as a QA
 - Annex-a International connections
 - Annex-b Data Reception from GTS/WIS
 - Annex-c Data Provision to GTS/WIS

Annex-a International connections

Centre	Protocol	Line	Data
Tokyo	FTP	GTS, MPLS	SYNOP, SHIP, TEMP, METAR, Himawari products (CSR, AMV)...
Bangkok	FTP	GTS, Internet	SYNOP, SHIP, TEMP, METAR
Beijing	FTP	GTS, Internet	SYNOP, SHIP, TEMP, METAR
Moscow	FTP	GTS, Internet	SYNOP, SHIP, TEMP, METAR
ECMWF	HTTP	Internet	Global Model (GRIB)
JMA	HTTP	Internet	Himawari Satellite image
JMA	FTP	Satellite	Himawari Satellite image

Annex-b Data Reception from GTS/WIS

- SYNOP, SHIP, CLIMAT, TEMP, PILOT
- Aviation (METAR, TAF, SIGMET, AMDAR)
- Marine (BUOY, TRACOB, BATHY, TESAC)
- GEO satellites (AMV, CSR)
- Forecast, Analysis
- Warning

Annex-c Data Provision to GTS/WIS

- SYNOP (TAC and BUFR)
- CLIMAT (TAC)
- TEMP, PILOT (TAC)
- PILOT (TAC)