

**PHILIPPINES**  
**Status of the**  
**information systems & operations**  
**at DOST-PAGASA**

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and

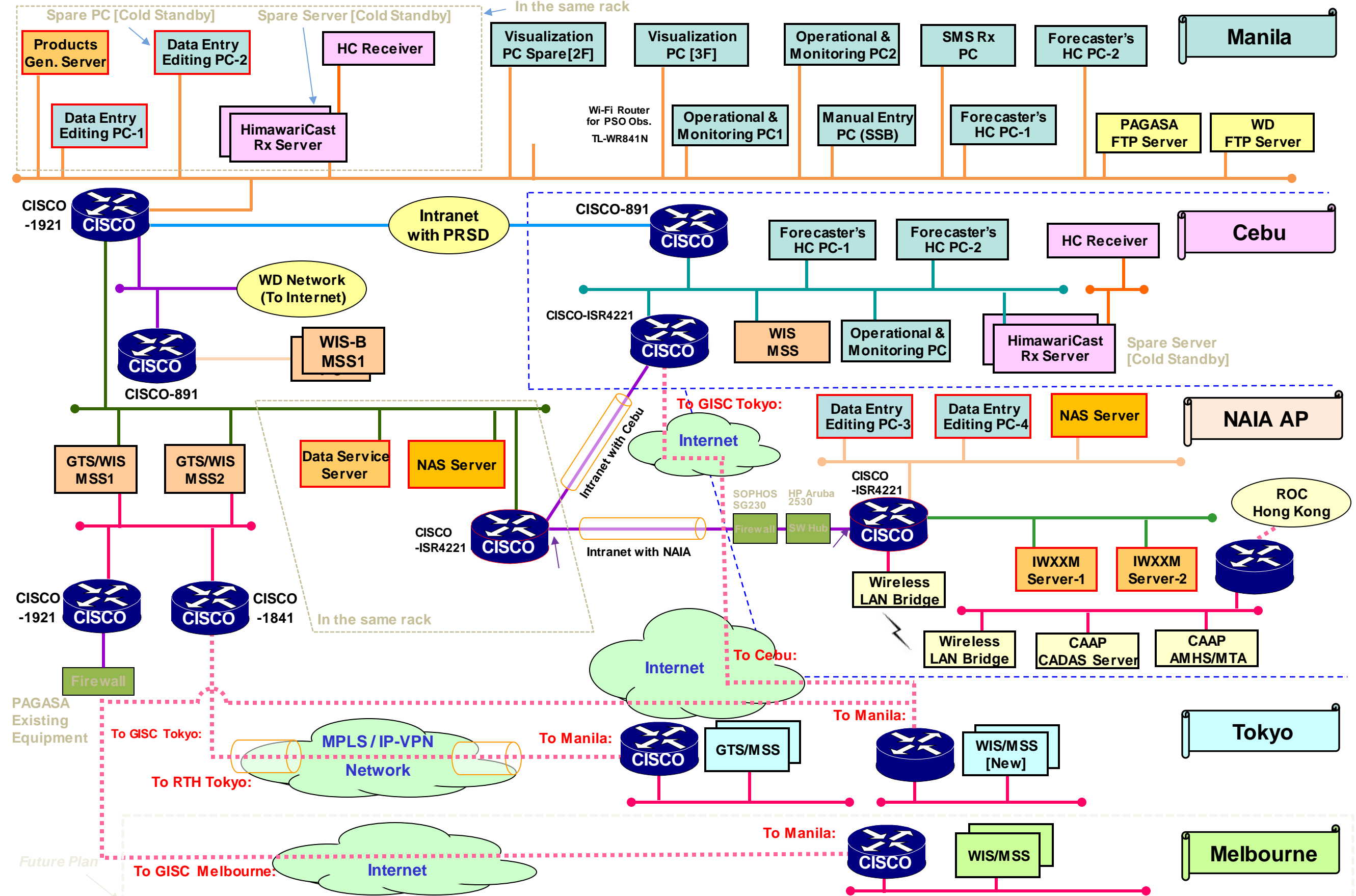
Andre Jude M. Jose

JMA WIS Workshop  
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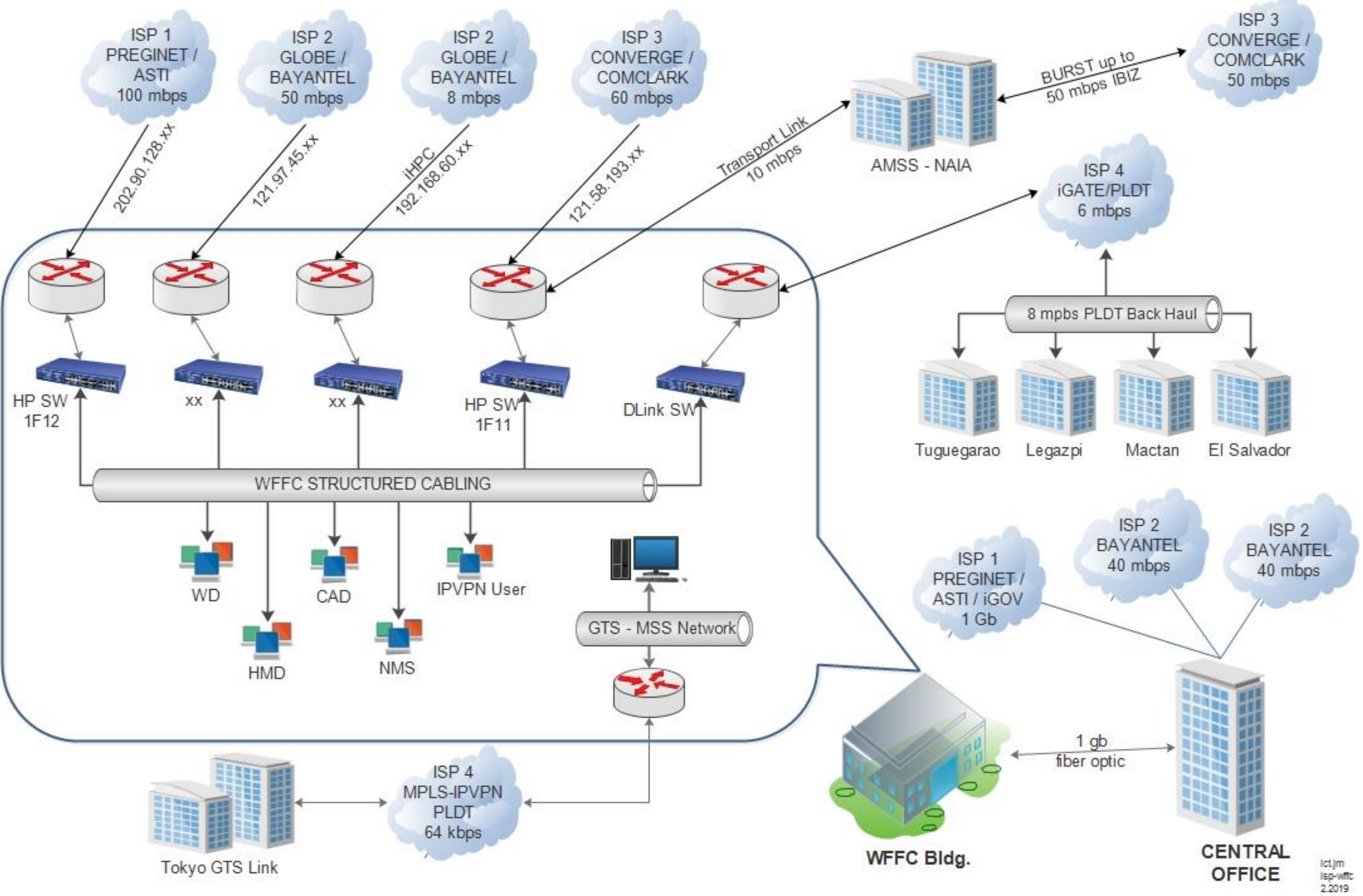
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# IP Network Structure for the GTS/WIS, Himawari and AMHS Systems in PAGASA Ver6.0/21c01



# PAGASA ISP NETWORK DIAGRAM



## 2. Internet tools

- 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>
  - ECMWF BUFR validator
    - <https://apps.ecmwf.int/codes/bufr/validator/>
  - JAXA G-Portal
    - <https://gportal.jaxa.jp/gpr/?lang=en>
  - JAXA GSMaP
    - <https://sharaku.eorc.jaxa.jp/GSMaP/>
  - NOAA CLASS
    - <https://www.class.noaa.gov/>
  - Earth Wind Map
    - <https://earth.nullschool.net/>

- External Internet tools used by PAGASA operationally:
    - <https://www.oceanweather.com/data/>
    - [http://www.swfdp-sea.com.vn/short\\_range](http://www.swfdp-sea.com.vn/short_range)
    - <http://www.metoc.navy.mil/jtwc/jtwc.html>
    - <https://www.emc.ncep.noaa.gov/gmb/tpm/emchurr/tcgen/>
    - <https://www.ssd.noaa.gov/PS/TROP/TCFP/>
    - [https://www.ndbc.noaa.gov/radial\\_search.php?lat1=10N&lon1=132E&uom=M&dist=500&ot=A&time=12](https://www.ndbc.noaa.gov/radial_search.php?lat1=10N&lon1=132E&uom=M&dist=500&ot=A&time=12)
    - <https://tynwp-web.kishou.go.jp/>
    - <https://www.tropicaltidbits.com/>
    - <http://tropic.ssec.wisc.edu/real-time/archerOnline/web/index.shtml>
    - <https://www.nrlmry.navy.mil/TC.html>
    - <http://tropic.ssec.wisc.edu/real-time/windmain.php?&basin=westpac&sat=wgms&prod=wwir&zoom=&time>
    - <https://manati.star.nesdis.noaa.gov/datasets/ASCATData.php>
    - <http://www.jma.go.jp/en/g3/>
    - <http://hurricanes.ral.ucar.edu/realtime/current/>
- Etc

# 3. Utilize Internet Services

- Providing information to public

DOST-PAGASA website on Cloud

<https://www.pagasa.dost.gov.ph>

Twitter PAGASA-DOST

[https://twitter.com/dost\\_pagasa](https://twitter.com/dost_pagasa)

Youtube DOST-PAGASA Weather Report

<https://www.youtube.com/channel/UCpyLikj1x70S8UPxVqsPr6g>

Facebook Dost\_pagasa

<https://www.facebook.com/PAGASA.DOST.GOV.PH>

## 4. Plans, Issues etc.

- Ongoing upgrade to increase the bandwidth connection of the existing 64kbps MPLS IPVPN to 2mbps Manila - Tokyo.



# 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

Country	Protocol	Data
Japan	WMO Socket	SYNOP, SHIP, TEMP, METAR, Himawari-8, ...
Japan	FTP	Global Spectral Model GSM GRIB2 Data
UK	FTP	Unified Model GRIB2 Data
Taiwan	FTP	MPAS, NetCDF
USA	FTP	GFS DATA FOR WRF
USA	FTP	INITIAL CONDITIONS NMME .TXT FOR CPT
USA	FTP	NetCDF
USA	FTP	WRF
AUSTRALIA	FTP	NetCDF
USA	HTTP	GRIB2 DATA

# Annex-b Data Reception from GTS/WIS

- SYNOP, SHIP, CLIMAT, TEMP, PILOT
- Aviation (METAR, TAF, SIGMET, AMDAR)
- Marine (BUOY, TRACOB, BATHY, TESAC)
- Wind Profiler
- GSM data
- Forecast, Analysis
- Warning
- Tropical cyclone advisories
- Volcanic ash advisories
- etc.

# Annex-c Data Provision to GTS/WIS

- SYNOP (TAC and/or BUFR)
- SHIP (TAC and/or BUFR)
- CLIMAT (TAC and/or BUFR)
- TEMP, PILOT (TAC and/or BUFR)
- PILOT (TAC and/or BUFR)
- Warning