

Country Report

(Bangladesh Meteorological Department)

(Bangladesh)

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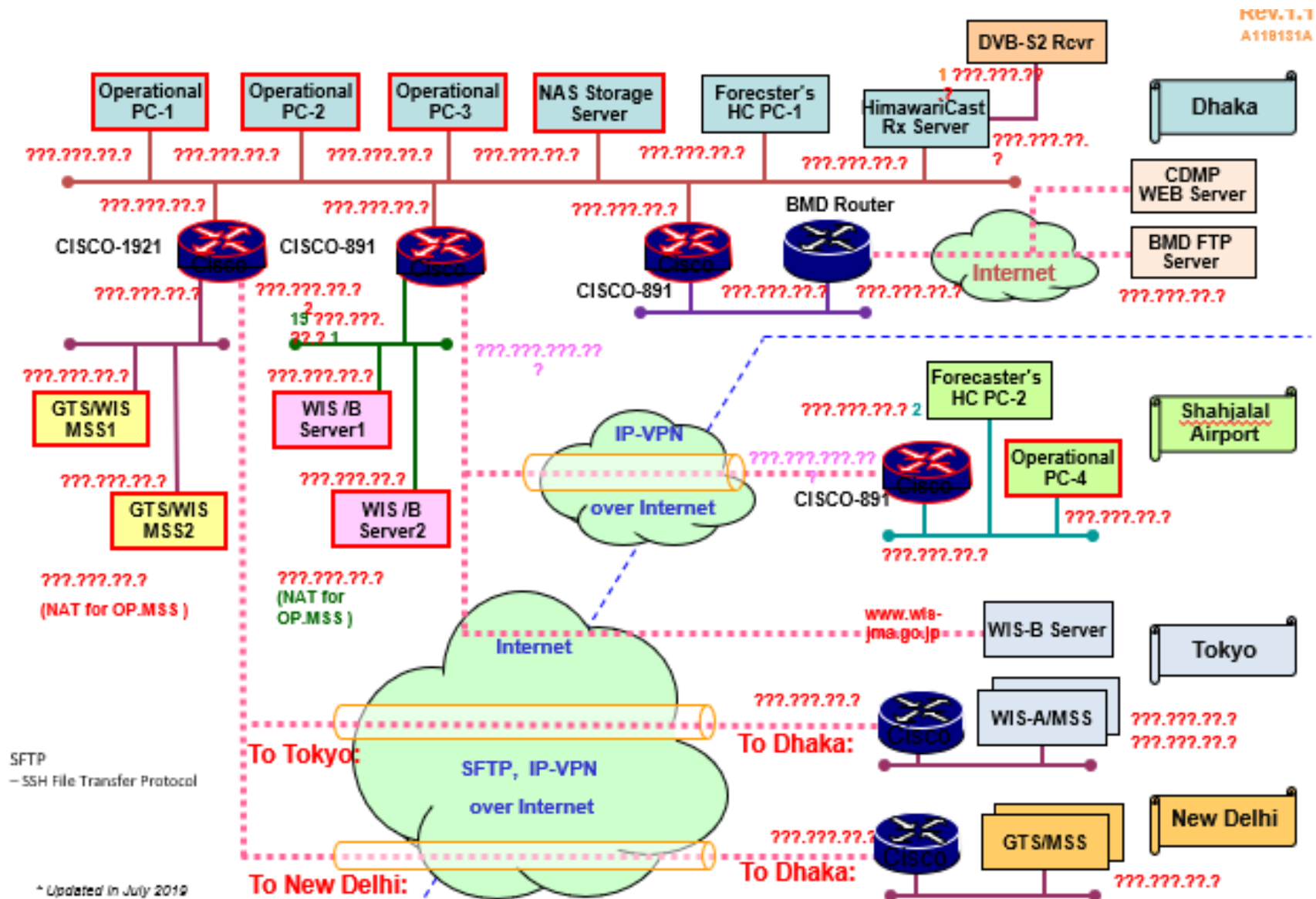
JMA WIS Workshop 2025

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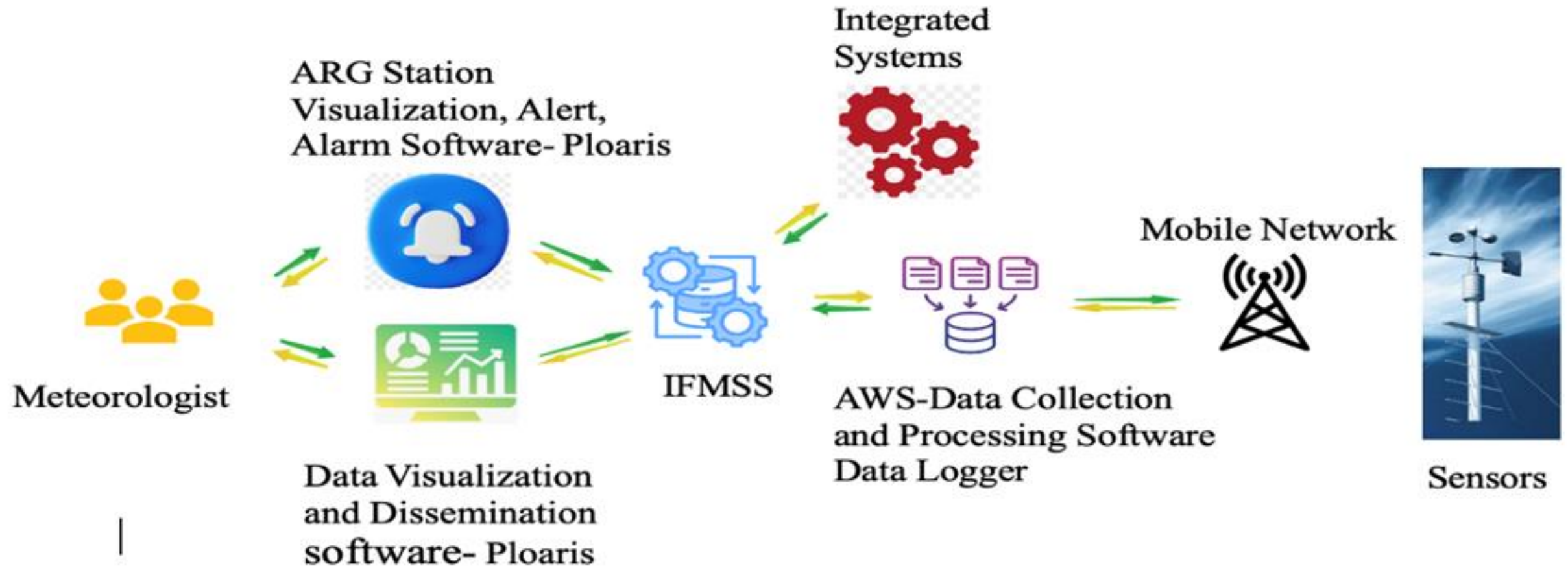
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1. Status of system/network configuration



Data Collection and Processing Systems from Automatic Stations



1. Status of system/network configuration

Recent updates of MSS(Message Switching System)

2007: Start operation of the previous system

2019: Start operation of the current system

2025 (plan): Next system update

Fund: WMO in 2007, WB in 2019 and plan Domestic in 2025.

Service level by system supplier : Presently BMD is maintaining IT infrastructure and software by a team combining BMD people and supplier.

Supplier response after getting information from BMD people. It is only on working time.

Application on the MSS : In-house application.

1. Status of system/network configuration

Recent updates of network connection to other countries

Country	Protocol	Data
India	WMO FTP	SYNOP, SHIP, TEMP, PILOT, Forecast, Warning
Japan	SFTP	SYNOP, TEMP, PILOT

2. Challenges of the current system/network

- *Availability of Internet (last mile problem)*
- *Maintenance problems*
- *Lack of fund*
- *Human resource*
- *Lack of knowledge about the total system.*

3. Status of WIS2.0

- Information collection of WIS2.0
- Participation to activities or events related to WIS2.0
- Internal discussion within organization towards WIS2.0
- Arrangement of fund to implement WIS2.0
- Processing of procurement system to implement WIS2.0
- Fixation of timeline to implement WIS2.0 within this fiscal year

4. Challenges of the WIS2.0 of system

- The WIS2.0 system to be integrated with the existing infrastructure working in BMD.
- Creation of a metadata catalog for Meteorological observation data conducted in Bangladesh and standardize it as public datasets.
- Synchronizing data established by BMD with the WMO Global Discovery Catalog.
- create standardized metadata in accordance with the WMO Core Metadata Profile.
- Ensure connectivity to the WMO Global Discovery Catalog (GDC) and Global Cache Service
- Establish interfaces between the WIS2.0 infrastructure to be implemented and existing AWS to meet the GBON requirement.
- Construct new system and use wis 2 in a box

5. Expectation to JMA and other countries

- BMD needs assistance in creation standardized metadata in accordance with the WMO Core Metadata Profile.
- BMD needs assistance in implementing the capability of synchronizing data established by BMD with the WMO Global Discovery Catalog.
- Request to GISC Tokyo for continuous cooperation as always.
- Suggestion to the current/future system and network.
- WIS2 Node Registration (Expectation to Principle GISC New Delhi)

6. AOB (Any Other Business)

Content examples;

- *Items to be informed to participants*
- *Updated information other than ICT matters*
- *Looking forward to the most during your stay in Japan, etc.*

Thank You