

Introduction to Y.FNDAN

Aug 1st, 2012

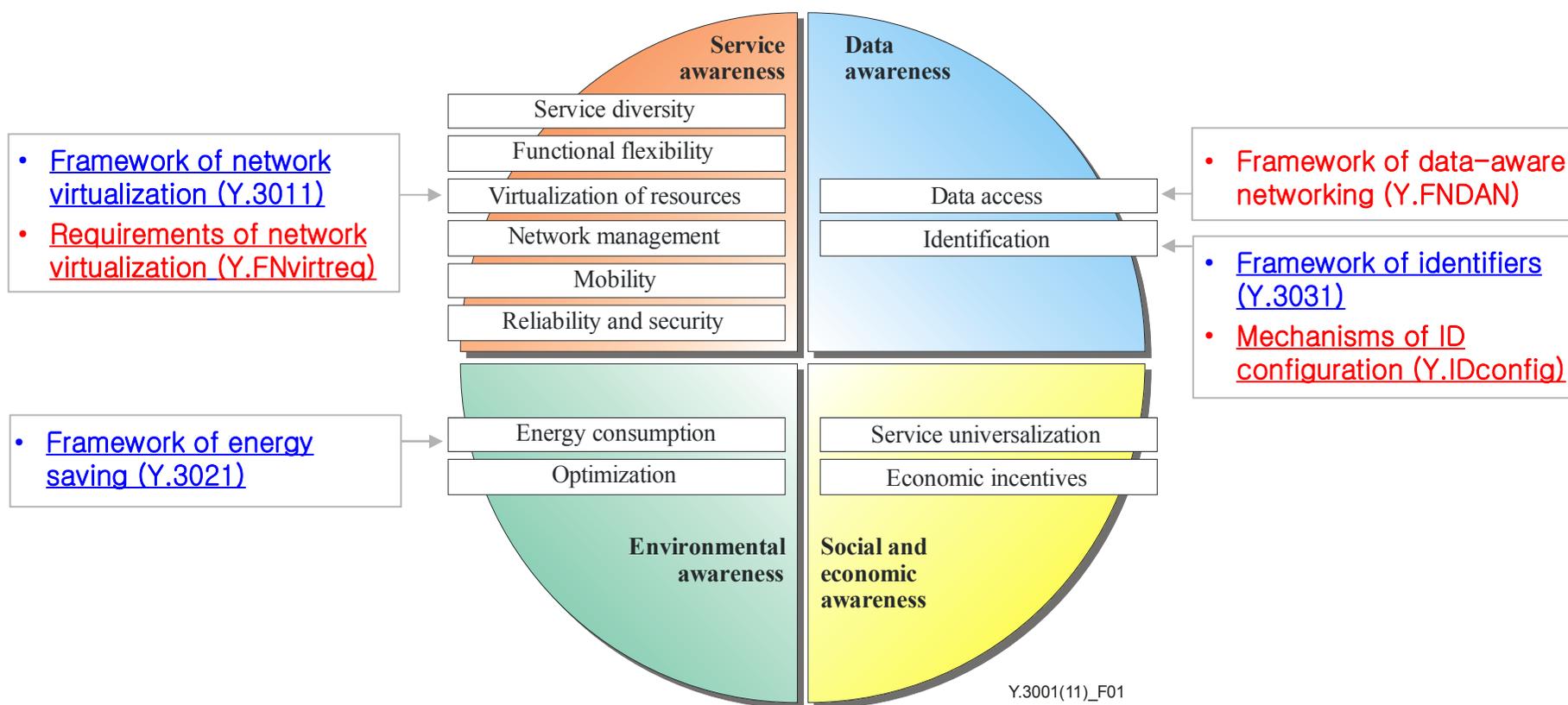
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JAPAN

Overview of Y.3001

- Title: “Future Networks: Objectives and Design Goals” by ITU-T SG13 Q21.
- Specifies 4 objectives and 12 Design Goals of Future Networks.



- Blue: Framework document which has been completed.
- Red: Document in progress.

For the documents, refer to <http://www.itu.int/itu-t/recommendations/index.aspx?ser=Y>

Y.FNDAN (Data aware networking)

- Objective of the Y.FNDAN
 - Describing high-level requirements (framework document) to realize the “data access” design goal specified in Y.3001 which is..
 - Optimal and efficient handling of huge amounts of data, and retrieval of the data promptly regardless of their location.
- It will include many aspects of ICN concepts but does not exclude any concepts that goes beyond them.
- Y.FNDAN is scheduled to be completed by end of 2013.
- Two documents, requirements of data aware networking and architecture of data aware networking will follow.

Table of contents

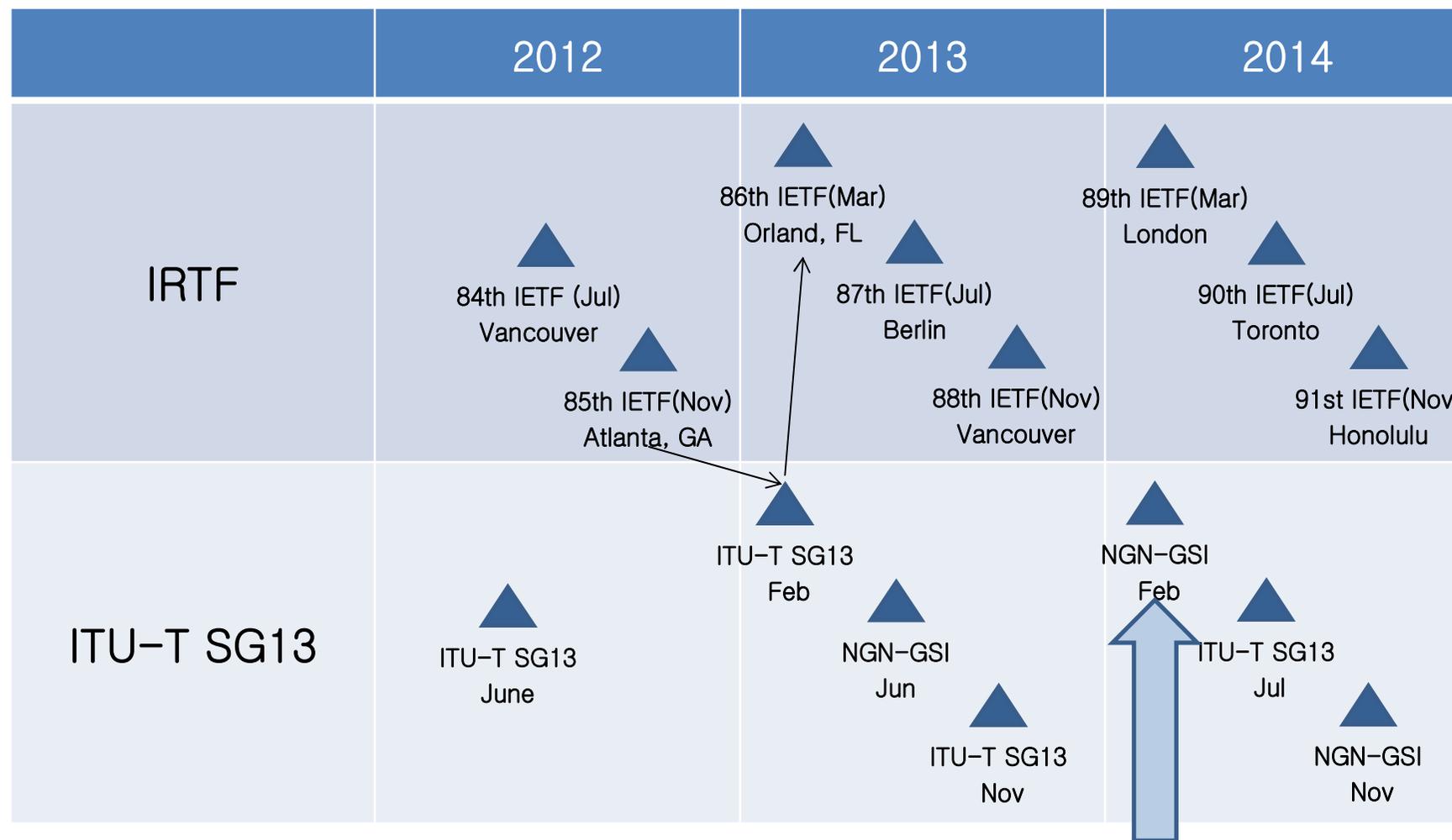
1. Scope
 2. References
 3. Definitions
 4. Abbreviations and Acronyms
 5. Introduction
 6. Overview
 7. Design Goals
 8. Challenging Issues
- Bibliography



Note 1: Y.FNDAN is very much in its preliminary state and is open for inputs and modifications.

Note 2: Clause 3, 6, 7, 8 are the important sections that needs enhancements and refinements.

Timeline of the both WGs



Y.FNDAN will
be consented

Backup slide

Y.FNDAN (Data aware networking)

- The terms “data” means
 - The data ID or name as well as meta-data (data attributes).
- The term “Aware” means
 - Recognition and decision of the data ID or names as well as meta-data (data attributes).
 - ① Routing and forwarding of users’ requests and their counterparts responses.
 - ② Responding to the requests directly if the requested data is available at cache or storage.
 - ③ Any optimization process of the users’ requests and their counterparts responses before transmitting them.

