

Introduction to Y.FNDAN

Aug 1st, 2012

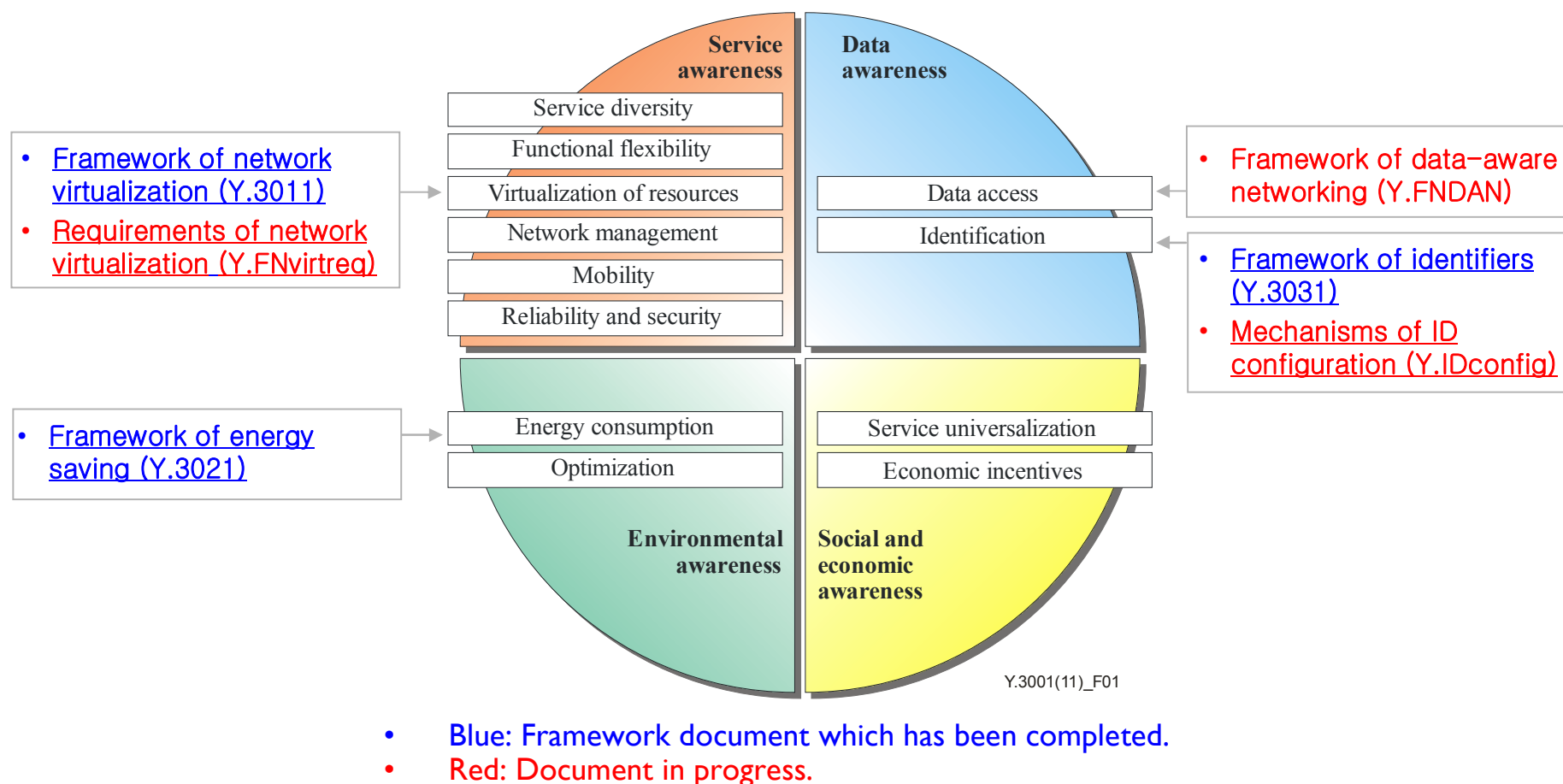
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JAPAN

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.



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.

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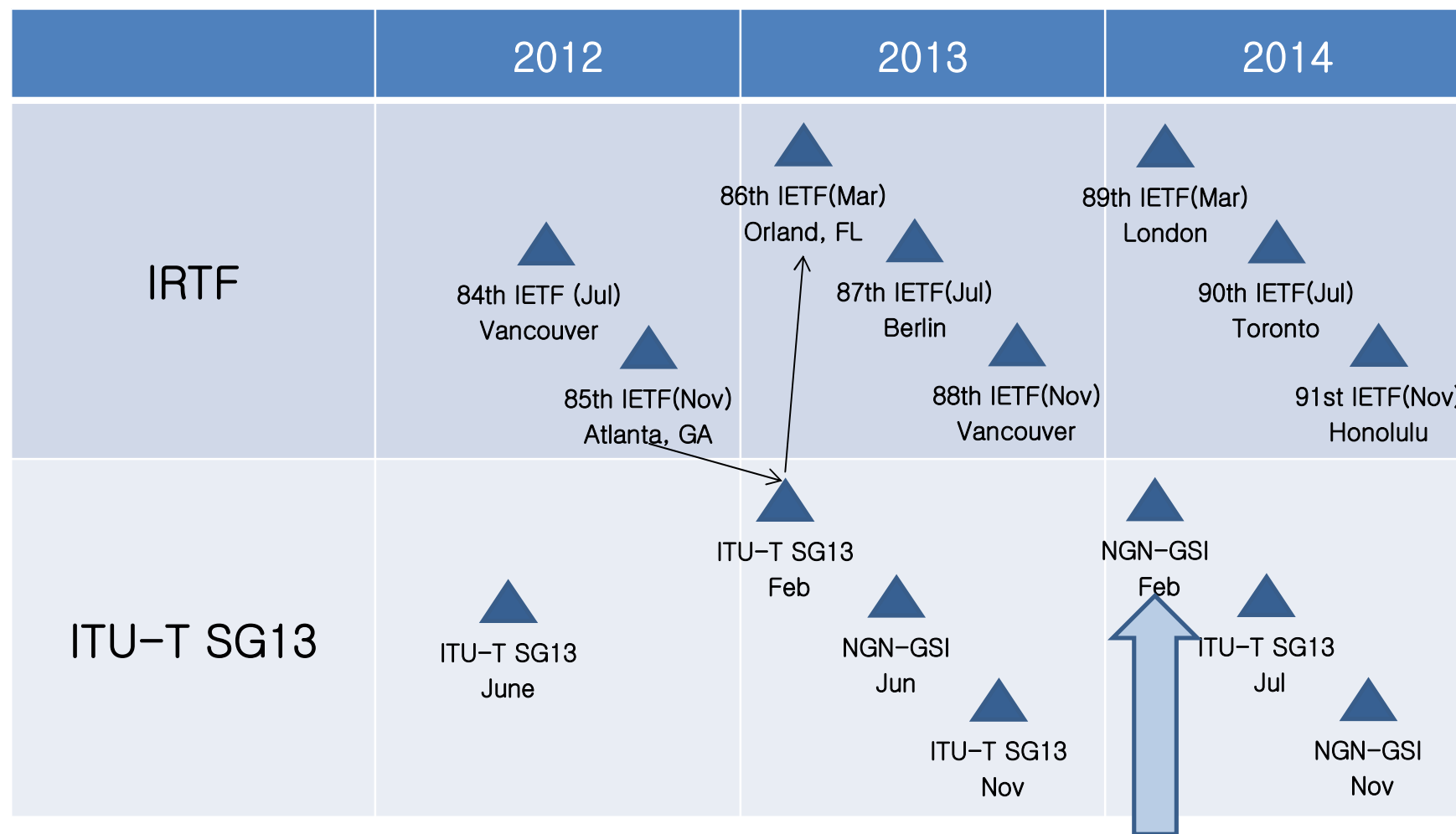
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Note 1: Y.FNDAN is very much in its preliminary state and is open for inputs and modifications.

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.

