

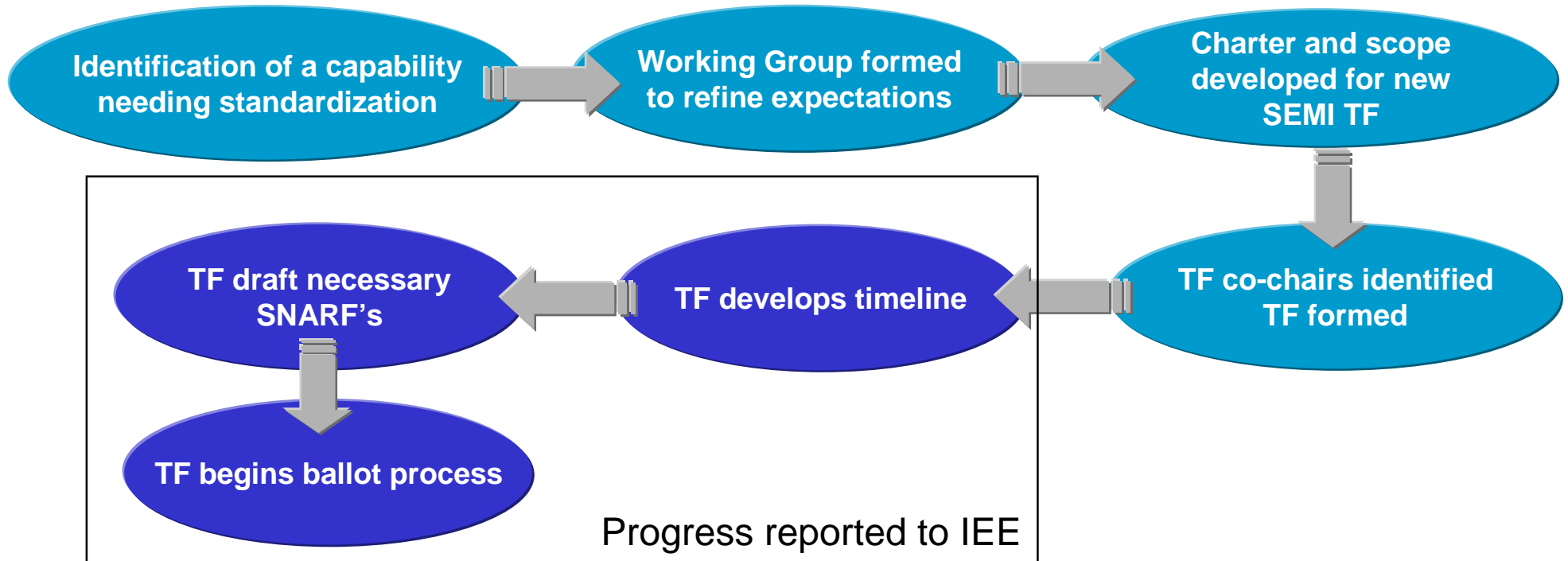
# IEE Task Force Activity Report

**Tomoyuki Masui**

**Selete**

**IEE Task Force**

# IEE Coordination



## • Coordinating

- IEE owns roadmap for EE, identifies where standards are needed
- Creates WG's to add definition and spin off new TF's
- TF subsequently reports activities to IEE at each cycle
- IEE reviews, resolves issues, and makes recommendations

# TF Current Status

IEE Task Force		
	NA Activity	Japan Activity
<b>Kick off</b>	October 17th	September 20th
<b>Leadership</b>	Lance Rist/ISMT Mark Pendleton/Domain Logix	Tomoyuki Masui/Selete Kouzou Aso/FRIC Hideaki Kondou/Hitachi-Hitech
<b>Meetings</b>	Four Domestic meetings Two Teleconferences Two Face-to-face Meetings	Four Domestic meetings

# What EEC GLs are asking for

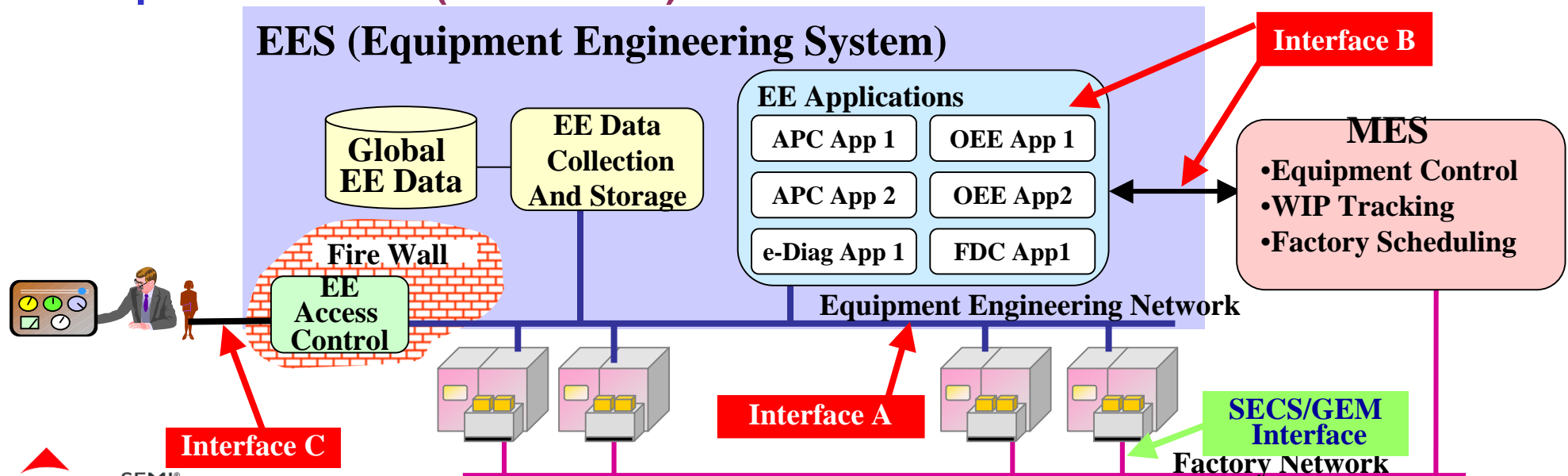
- **Network connectivity**
  - How to publish data from the equipment to an external system
    - Standardized Equipment Engineering Data Interface (EEDI)
  - Pluggability
- **EEC be modular**
  - Pluggability
  - Framework for Equipment Engineering Capabilities
    - Including MES interface
- **Security needed**
  - Data transfer with ensured security
- **EE Data Standardization**
  - Categories and levels of Equipment Engineering Data
    - Structure, Dictionary



# What Will Be Standardized?

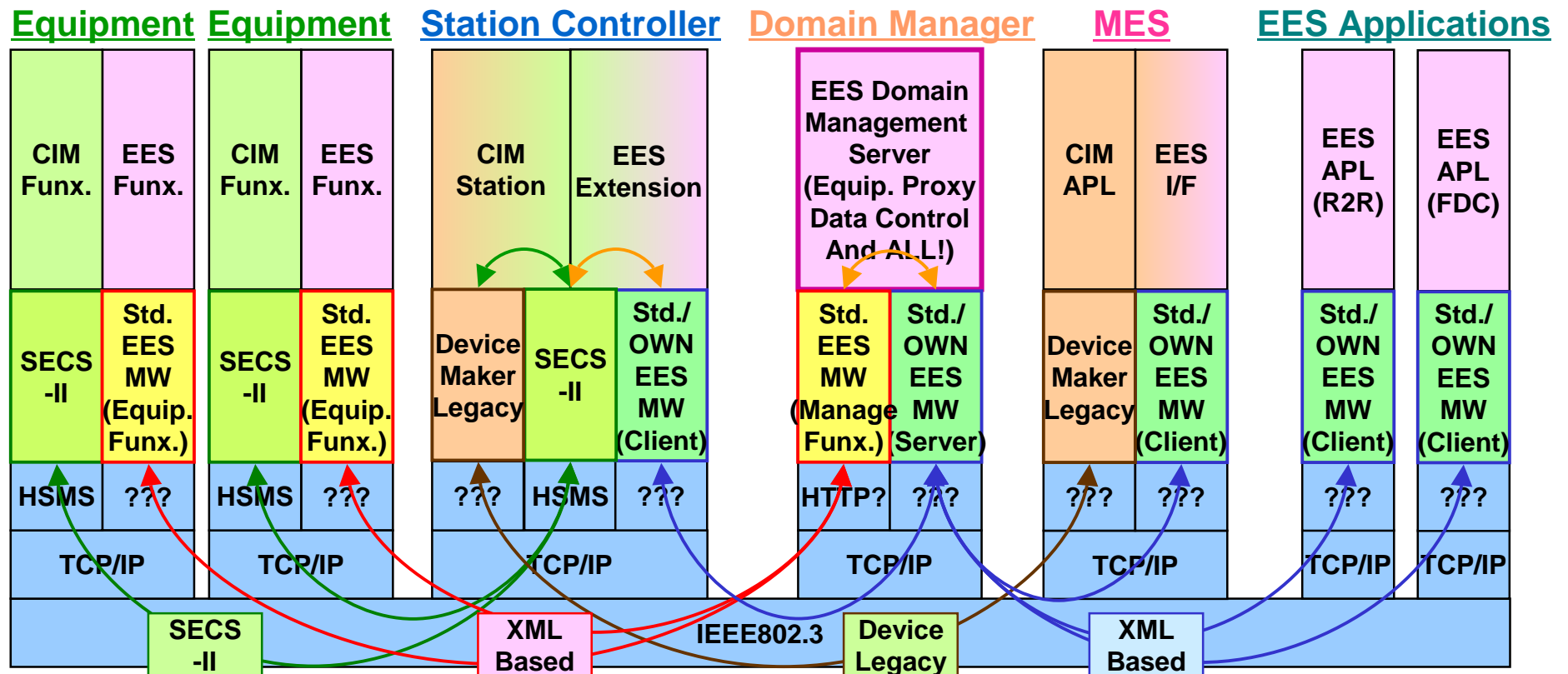
## - Interface Approach -

- Analyze the data, protocol, and security requirements for support of the Equipment Interface (Interface A)
- Analyze the data, protocol, and security requirements for open EEC Application Interfaces (Interface B)
- Analyze the data and protocol requirements for external access to EEC implementations (Interface C)



# What Will Be Standardized?

## - Layer Model Approach -



# NA Activity

- **Task Definition/Prioritization**
  - **Common Model**
  - **Roadmap**
  - **Data Taxonomy**
    - How to define data
    - Coordination of the groups defining data
  - **Data Interface Protocol Requirements**
    - EEDI Requirements --- **Top Priority**
    - Nature of three interfaces
  - **Liaisons Coordination**
    - DDA-TF (Diagnostic Data Acquisition)
    - RaP-TF (Recipe and Parameter Adjustment)
    - PCS-TF (Process Control System)
    - EI-TF (Equipment Integration) ?

# Japan Activity

- **Piloting work to identify area/item of standardization by 'Exploratory Study Group'**
  - **Examination on connectivity as a case study (EESysnet)**
    - **Topology**
    - **Layer Model/Protocols**
    - **Security**
- **Study on existing technology application to EES**

# Discussion Point

- **Identification strategy of standardization items**
  - **Approach**
    - Piloting work / Existing standard gap study
  - **Focusing point**
    - Which interface/layer?
  - **Clarification of assumed requirements**
    - Application use case study
- **Roadmap and its consensus**
  - **Priority/Speed/Target Schedule**
- **Collaboration with USAD**
  - **Organization of concurrent work**
- **Relationship study between existing TFs and expected TFs**
  - **Need consensus on 'Anchor Material' or 'Big Picture' among related TFs**

## **Future activity**

- This foil will be added at the time of presentation
- Need conclusion of IEE pre-meeting on December 1<sup>st</sup>.