

IEC/IEEE 60802 JP TSN Industrial Profile

Network Configuration & Stream Configuration

- to be discussed -

Josef Dorr / Günter Steindl
Siemens AG

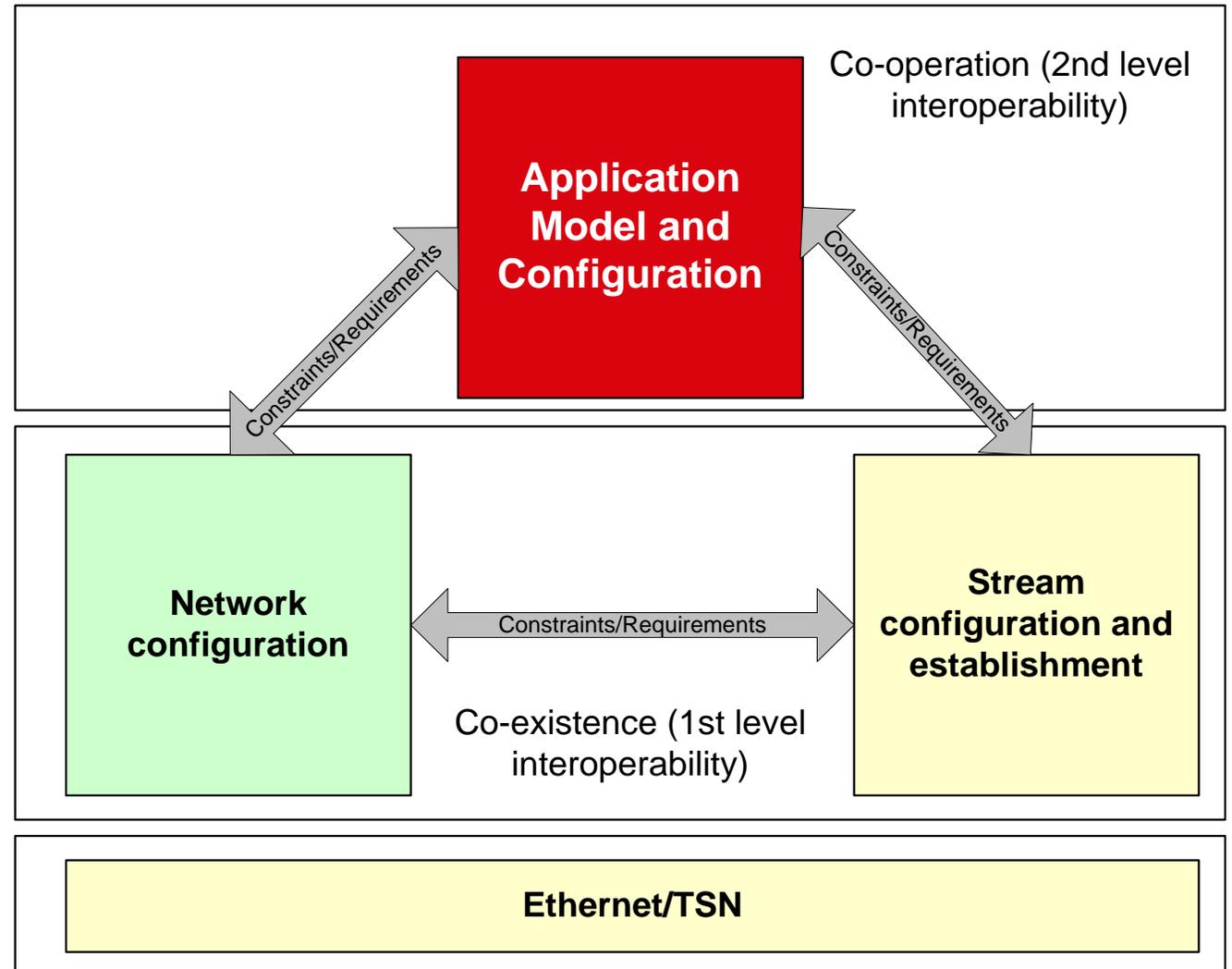
Interoperability Introduction

Interoperability issues for co-existence and co-operation:

- Application model and configuration
- Network configuration
- Stream configuration and establishment

Application Model and Configuration is essential for co-operation and impacts **Network configuration** and **Stream configuration and establishment** and vice versa.

Application Model and Configuration Constraints/Requirements are identical in any location within the production hierarchy (machine, cell, ...).



Network Configuration and Stream Configuration

- A vendor independent solution is required
 - TSN-IA Profile selects the to be supported managed objects
 - IEEE 802.1Q-2018
 - IEEE 802.1AS-rev
 - IEEE 802.1AB
 - YANG models preferred
 - TSN-IA Profile selects the to be supported access protocol for the managed objects
 - If IP based to be supported: IP address assignment modes need to be defined
 - Devices need to be up and running by configuring the above stated managed objects only
 - May require an “TSN-IA Profile Mode” managed object
 - Preconfigured streams shall be supported
 - Are the managed objects already defined?

Network Configuration and Stream Configuration

- Where can the 60802 JP get the list of managed objects from?
- Where can the 60802 JP get the list of possible access protocols for the managed objects from?
- Where can the 60802 JP get the list of possible IP address assignment protocols from?

Thank You!



Questions?