

# IEC/IEEE 60802 JP TSN Industrial Profile

## Network Configuration & Stream Configuration

- to be discussed -

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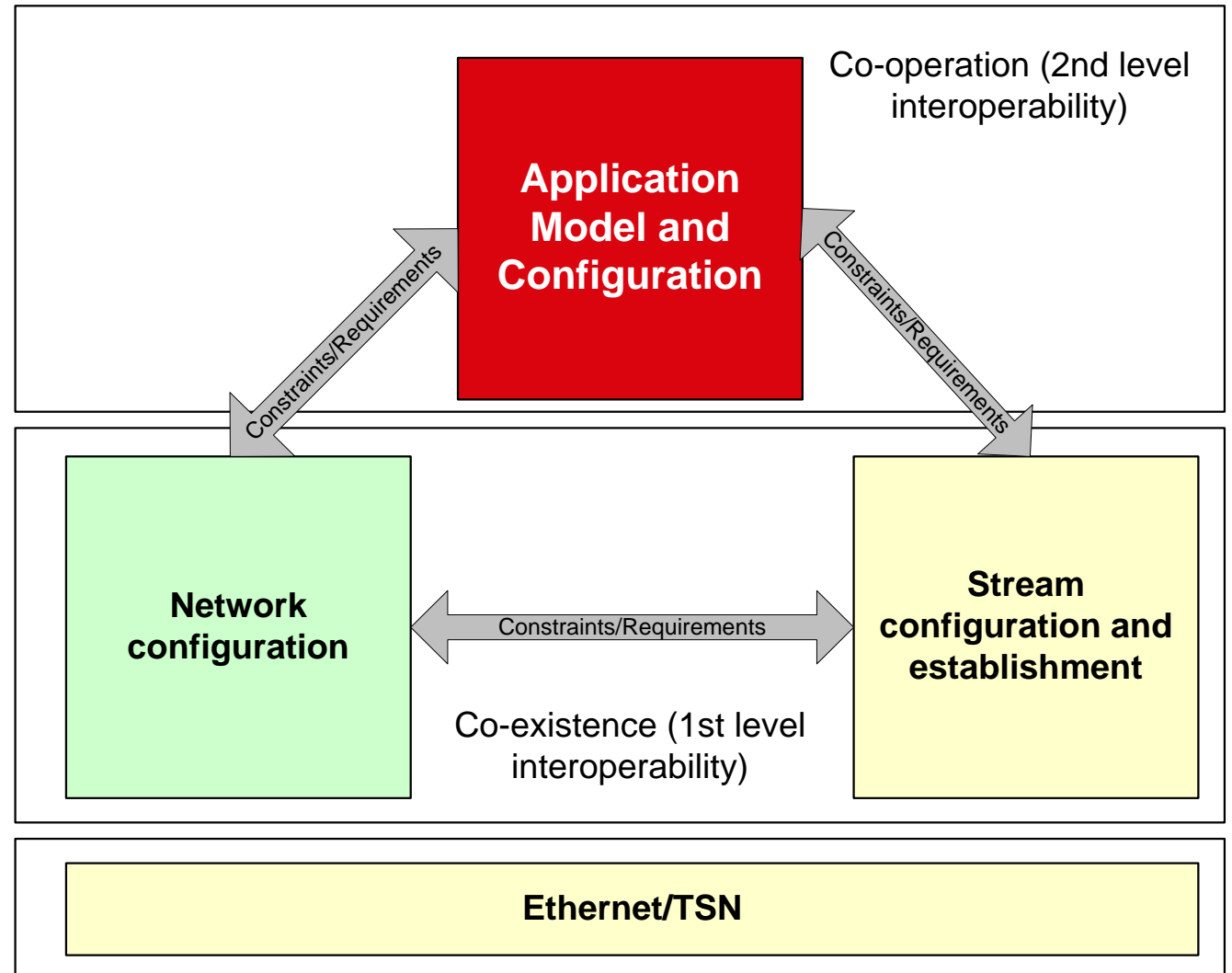
# Interoperability Introduction

**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?
  - Is YANG available for all needed managed objects?
  - Is persistence defined for managed objects?
- 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?
- Where can the 60802 JP define additional managed objects if needed?

**Thank You!**



**Questions?**