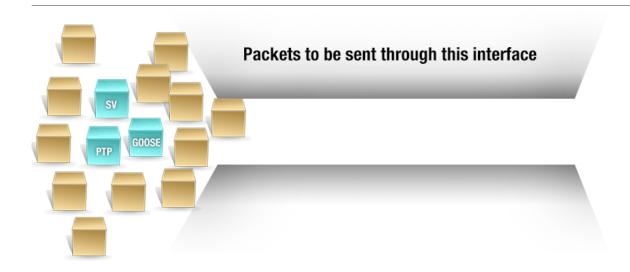
# **IEC 61850 New Subtations Performance**

# Communication packets can be assigned different priorities, depending on their importance

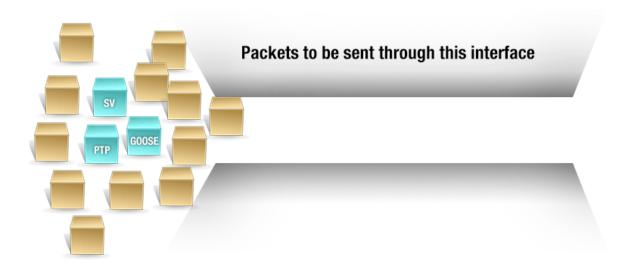


#### Performance

# IEC 61850 QoS

# Critical packet prioritization

- Communication packets can be assigned different priorities, depending on their importance
- Packet types: GOOSE, SMV, PTP
- Packet priorities: high, medium, normal, low



# VLAN Technology

# Enabling efficient and reliable communication

- Trunk traffic reduction Removing bottlenecks on the trunk links requires a careful analysis to correctly configure the bridges in the network. The traffic can be filtered or restricted to specific domains in the network by VLAN
- **Traffic filtering** To segregate traffic flow throughout the network
- Device performance improvement Reduce the number of messages that end devices need to process

# **Time Synchronization Technology**

Enabling efficient and reliable communication

Time Synchronization Protocol