

# **Deferred Comments for Discussion in the 60802 System ad hoc**

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# Deferred Comments

- Disposition of several comments regarding definitions was deferred:
  - Application Data Cycle
    - user-defined time interval required for data-exchange between applications
    - Note 1 to entry: For example: applications for closed loop control.
  - Isochronous Application
    - application that is synchronized to the Working Clock that is synchronizing network access
  - Network Access
    - action of placing frames on the network or of collecting frames from the network
    - Note 1 to entry: This concept is unrelated to port-based access control as defined in IEEE Std 802.1X-2010.
  - Network Cycle
    - user-defined time interval derived from the Working Clock and used to control Network Access
  - Scheduling Cycle
    - IA-ME defined time interval during which Talker-Listener pairs exchange cyclic data
  - Start of cycle trigger
    - point in time in the Working Clock time domain, which aligns the understanding of time between application data cycle, scheduling cycle and network cycle

# Corresponding Subclause

- These definitions are strongly related to the text and figures in subclause 4.3

Table 1 – Application Requirements

Level	Isochronous Application		Non-Isochronous Application		
Application	Synchronized to network access		Synchronized to local timescale		
Network access	Synchronized to Working Clock				Synchronized to local timescale
Network/Bridges	Synchronized to Working Clock	Free running	Synchronized to Working Clock	Free running	Free running

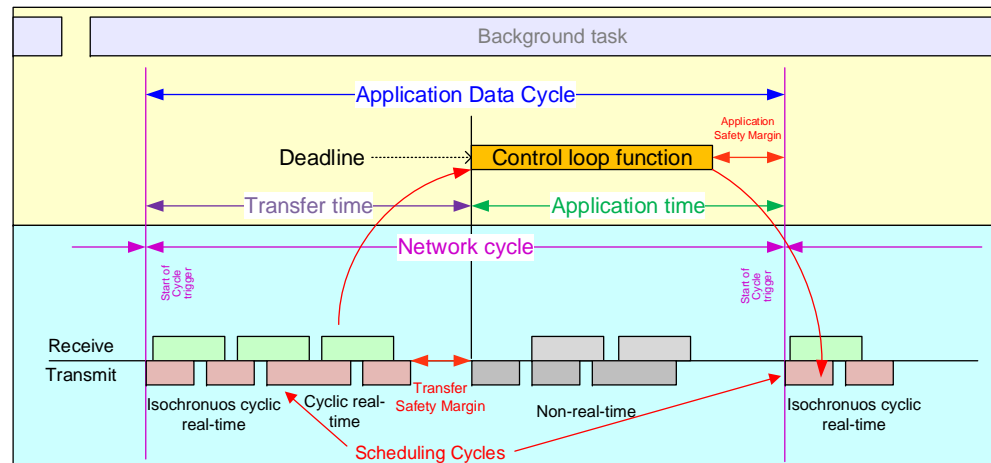


Figure 1 – Isochronous network Access

# Deferred Comments

- Requirements:
  - TAS in ccA – 564, 566, 290, 134
  - TAS in ccB – 294, 565, 20, 302, 24, 567
  - Number of supported VIDs – 752,789
  - Active topology management (RSTP) – 1000
  - Time sync
    - Sync/announce interval – 339, 340, 563, 291
    - How do we deal with “jumps” in grandmaster time
  - FDB entries – 139, 140, 395
  - Number of gate events – 1004, 1003, 141, 21, 874, 887, 888, 889
  - Flow meters for unicast, multicast and broadcast traffic – 298, 299, 300
  - Start of cycle trigger – 620
  - Reporting of traffic specification – 676, 301, 304

# Observations

- In general, these comments fall into one of three categories
  - Network access
    - Definitions of application data cycle, network access, etc.
    - Support of TAS, number of gate events (stream-based vs. class-based scheduling).
    - FDB entries
  - Management
    - Active topology management
    - Reporting of traffic specification
    - Note that: we have not yet begun comment resolution on the management clause.
  - Synchronization
    - Sync/announce interval – 339, 340, 563, 291
    - How do we deal with “jumps” in grandmaster time

# Observations

- The time sync simulation work provides a good forum for continuing time sync discussions
  - However, as a group, we need to agree whether requirements for time sync are TSN domain specific.
- The contributor would recommend focusing on Network access models. This, in turn would focus the subsequent management discussions.
- The user story discussion provides a solid basis for discussing both network access and management.

**Thank you**