# Minutes of the Study Group (SG)
## "*Distingushed Minimum Latency Traffic in a Converged Traffic Environment*" (DMLT)
## March 19, 20 and 21st, 2013

## Agenda
- Appointment of Recording Secretary
- Welcome and Introductions
- Approve Agenda
- Goals for this meeting
- Big Ticket Items
- Reflector and Web
- Ground Rules
- IEEE
  - Structure, Bylaws and Rules
  - Call for Patents
  - IEEE Standards Process
- Liaisons and Communications
- Presentations of requirements
- PAR, 5C, and objectives preparation
- Motions and Closing Business
- Future Meetings

## March 19, 2013
1. Ludwig started with formal procedures
   a. Signup sheet passed
   b. Ludwig presented the boilerplate items including the logistics of DMLT like reflector, web-page (see slide sets: 802.3 opening report, Agenda, 802.3 closing report on DMLT web page).
   c. General agenda has been presented
   d. Ludwig will request, through the 802.3 chair, a slot for a tutorial
   e. Ludwig will ask the 802.3 chair for a motion to request the extension of the SG at least to the next plenary.
   f. SG is soliciting input from all interested parties regarding the title of this study group.

2. Presentations:
   a. Albert Tretter
      Presented technical feasibility proposal on pre-emption.
      Presentation was acknowledged.
      Comments: clarifications have been suggested.

   b. Pat Thaler
      Presented technical feasibility proposal on pre-emption.
      Presentation was acknowledged.
      Comments: will require update of the test equipment to support proposed frame format.

      Summary of presentations given by Albert and Pat:
         The two presentations demonstrated feasibility for preemption in a MAC Merge sublayer. Albert Trotter's presentation showed an encapsulation that produces fragments that appear to be MAC frames that appear to be

normal MAC frames except for the altered CRC. Pat Thaler's presentation showed a lower overhead Mframe* approach that replaces the SFD with one of a set of delimiter values to indicate the Mframe type. Both proposals are capable of preserving Ethernet false frame detection capability.

*Mframe = the unit of transmission from the MAC Merge sublayer.

    c. Compatibility slide - Anatoly
      Comments: minor additions to slide had been proposed
      Presentation was acknowledged
      Discussion followed. Results of the discussion:
      1) The scope of this project is for point-to-point links with data rates greater than 10Mbps.
      2) Additional information about 802.3 MAC will be described in a separate slide which will part of the 5 criteria package.
      3) Jitter requirements will be provided in the objectives document

    d. Time Aware Shaper in combination with DMLT – Christian
      Presentation was acknowledged
      Discussion followed.

      Meeting adorned at 3:13PM.

## March 20
3. Presentations:
    a. Objectives - Yong Kim
      Motion#1 moved by Geoff Thompson to adopt objections 1-8, see 8023-DMLT_08_0313_DMLT_SG_Objectives-2013-03_r04, and seconded by Oliver Kleineberg has passed unanimously.
      Motion#2 moved by Albert, seconded be Geoff. Move that objectives 9-13 be adopted by DMLT SG. Motion passed unanimously.
    b. Albert presented comments on his presentation titled "Proposals for "scope of the project" which he presented at the last meeting.
    c. Oliver presented market numbers. His presentation is titled "Brief Look into Industrial Automation Market Numbers"
    d. Young presented the "need for the standard" which was reviewed and accepted.
    e. Other slides from the PAR proposal were reviewed.
    f. Motion #3 (to change PAR title) passed unanimously.
    g. Motion #4 (to adopt the PAR draft) passed unanimously.
    h. Motion #5 (to adopt 5C draft) passed unanimously.
    i. A new title was born: Interspersing Express Traffic. This will be promoted for the PAR title. The Scope of the PAR was revised to: "*The scope of this project is to specify additions to and appropriate modifications of IEEE Std 802.3 to add a support for interspersed express traffic.*"
Meeting went in recess at 5:40PM.

## Meeting reconvened at 2013-03-21, 10am
    1. Continued discussion of issues brought up by Albert's and Pat's technical feasibility proposals.
      Geoff proposed to record the areas which are vulnerable.
      Denis will do the homework to describe issues, not limited to, preamble, preamble length, FCS, and FCS vulnerability.

Yong, others are welcome, will do the homework to provide minimum information/indication that needs to be carried on the first, not last, last fragments and frames.

2. Geoff will consider a proposal based on VLAN tag mechanism on best effort traffic only.
3. There was a presentation from Christian Boiger relevant to P802.1Qbv (Time Aware Shaper) which includes an 802.3 aspect (layer violation and MAC service interface addition) which was out of scope of our project. A view of DMLT was put on a slide to be presented at the closing plenary for IEEE 802.1, see Winkel_99_0313_DMLT_SG_.1_Liaison-Report_01.
4. Next Steps:
   - Victoria, BC, Canada, 2013-05-15 joint meeting with IEEE 802.1 tentatively
   - Two day study group interim meeting 2013-05-16 … 2013-05-17
   - Finalize the draft PAR, 5 Criteria and objectives for a 30 day circulation before Geneva plenary.
   - Finalize the PAR, 5 Criteria and objectives at Geneva plenary to form a TF.
   - Plan a tutorial during the next Geneva plenary 2013-07-16 … 2013-07-18

**Meeting was adjourned at noon.**