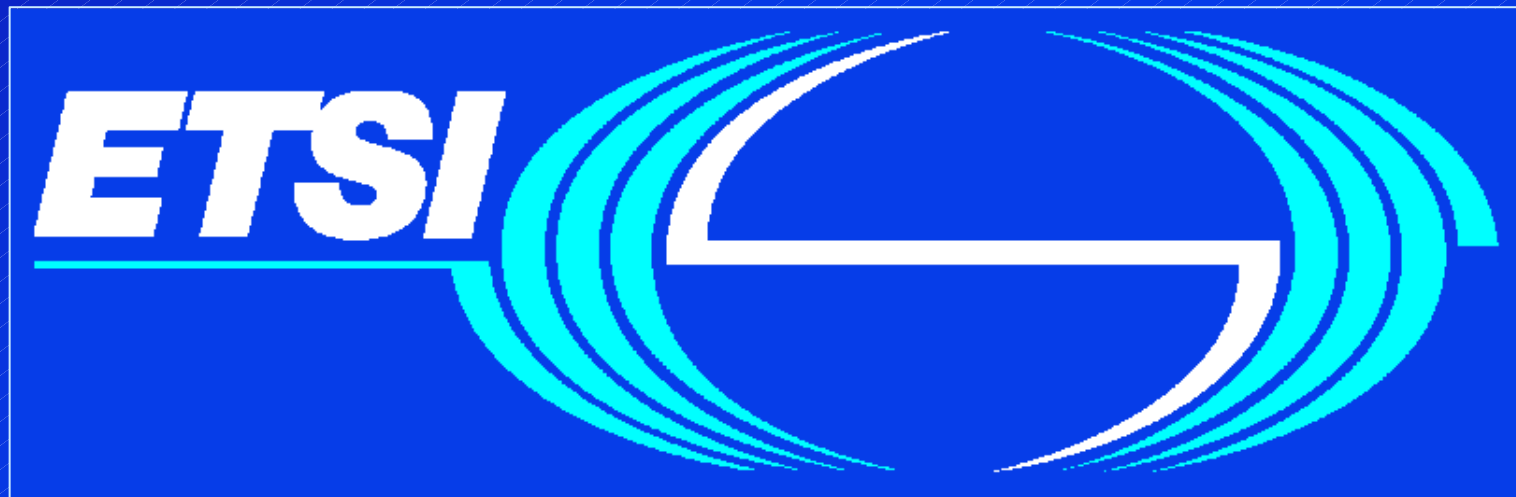# MTS31 TD017

Title: STF141 Progress

Source: STF141 Leader

Date: 9 October, 2000

Agenda Item: 6.4

Document for: Information

STF141

Guidelines For The Use Of The UML In Protocol Standards

Background

- Initial Study (TR 102 105) concluded the UML is valid in standards

- Scope and ToC of guidelines document approved Oct'99

- Guidelines limited to the UML in protocol standards

- Process model presented to MTS#29

Progress

- Document complete and available for Approval
  - Further iterations have "improved" structure
    - Context Model
    - Requirements Model
    - Specification Model
    - Testing Model
    - QSIG-PUMR Case Study
- STF invited to discuss guidelines with TIPHON
- Useful comments received on July draft

Context Model

- List of Desirable Features
  - Simple text list classifying requirements
    - Name
    - Description
    - Priority
    - Origin
    - Status
- Domain (Class) Diagram

Requirements Model

- Segregating functional from non-functional requirements

- Use Case Diagrams

- Activity Diagrams

- Textual descriptions for simple requirements

Specification Model

- Add detail to early Domain Diagram
    - Refinement of entities and interfaces
    - New entities & interfaces if required
    - Communication between entities
    - Distribution of functions
- Class Diagrams
- Sequence Diagrams
- Statecharts

Testing Model

- Test Configuration Specifications

  - Component Diagrams

  - Deployment Diagrams

- Test Case Structuring

  - Class Diagrams

- Test Purpose Definitions

  - Sequence

  - Collaboration

  - Statechart Diagrams

In Conclusion . . .

- Guidelines available on schedule & within budget
- Guidelines have evolved throughout the project
- Positive responses received from other TBs
- Interest from TIPHON
- MTS Approval sought today