**ERTMSFormalSpecs presentation**

1. **Specification**
   1. Browser description: chapters + paragraphs, no figures imported
   2. Paragraphs (example on 3.13.7)
      1. Type (requirement, definition …)
      2. Requirement identification
      3. Scope (on board, track …)
      4. Meta data (implementation state, reviewed …)
   3. Navigation (selection of implemented, applicable, verified, more info + comment)
2. **Example: Start of mission**
   1. Link spec -> model
   2. Explain the view
   3. Show state machine
   4. Click on transition
   5. Explain rules (included in states)
   6. Explain used variables -> modification of the system’s state
   7. Show requirements
   8. Execute tests (S0)
      1. Explain test frames, steps
         1. Pre-conditions
         2. Actions (modification of the state of the system)
         3. Expectations (constraints about the system state which must be satisfied after the activation of the test)
         4. Post-actions
      2. Show state machines
      3. Explain time line
         1. Activated rules (blue)
         2. Variable updates (rose)
         3. Expects (grey, yellow or red)
         4. Filter
      4. Possibility to undo steps
3. **Graphs + surfaces**
   1. Show EBD example
      1. EBI: P
         1. MRSP (formula)
            1. TSR
         2. MA (formula)
      2. A\_safe (surface)
      3. Explain reception of TSRs
4. **Static check**
5. **Message definition**
6. **Reports**
   1. Specification coverage report
      1. Specification coverage (implementation status of all the requirements)
      2. Requirement coverage (list of the requirements linked to model elements implementing them)
      3. Model coverage (list of requirements associated to each model element)
   2. Data dictionary report: report on implemented model elements, divided according to namespaces
      1. Ranges
      2. Enumerations
      3. Structures
      4. Collections
      5. Functions
      6. Procedures
      7. Variables
      8. Rules
   3. Tests coverage report
      1. Coverage of model elements by test frames, sub sequences …
      2. Provide log associated to a particular step of a test