

STF 476: TDL Phase 2

Status Report

Document History

- 2014-07-07: Document submitted for SG #3
- 2014-05-10: Document submitted for MTS #62
 - long form for SG #3 / Technical Session
 - short form for MTS #62
- 2014-03-19: Document submitted for SG #2

Task 0: Session Overview

- WK09 Feb 24-28 Session 1 @ETSI
- WK15 Apr 07-11 Session 2 @ETSI
- WK23 Jun 02-06 Session 3 @FOKUS
- WK36 Sep 01-05 Session 4 @ETSI
- WK42 Oct 13-17 Session 5 @Siemens
- WK49 Dec 01-05 Session 6 @ETSI
- Sessions 3-6 upgraded to 5 days!

Task 0: Milestone 2 Timeline

- WK23 Jun 02-06 Session 3 @FOKUS
 - 5 experts, 25 days, review feedback, define roadmaps, prep. stable drafts
- WK36 Sep 01-05 Session 4 @ETSI
 - 5 experts, 25 days, finalise stable drafts
- WK37 Sep 08-12 Deliverables ready
- WK38 Sep 16-18 UCAAT 2014
- WK40 Oct 01-02 MTS #63 @Berlin

Session 3 Summary

Goals

- review feedback from Milestone 1
- define roadmaps for Milestone 2
- have technical discussions on data concepts and graphical syntax
- lay down foundations for exchange format

Notes

technical issues with the mailing list interfered with the organisation

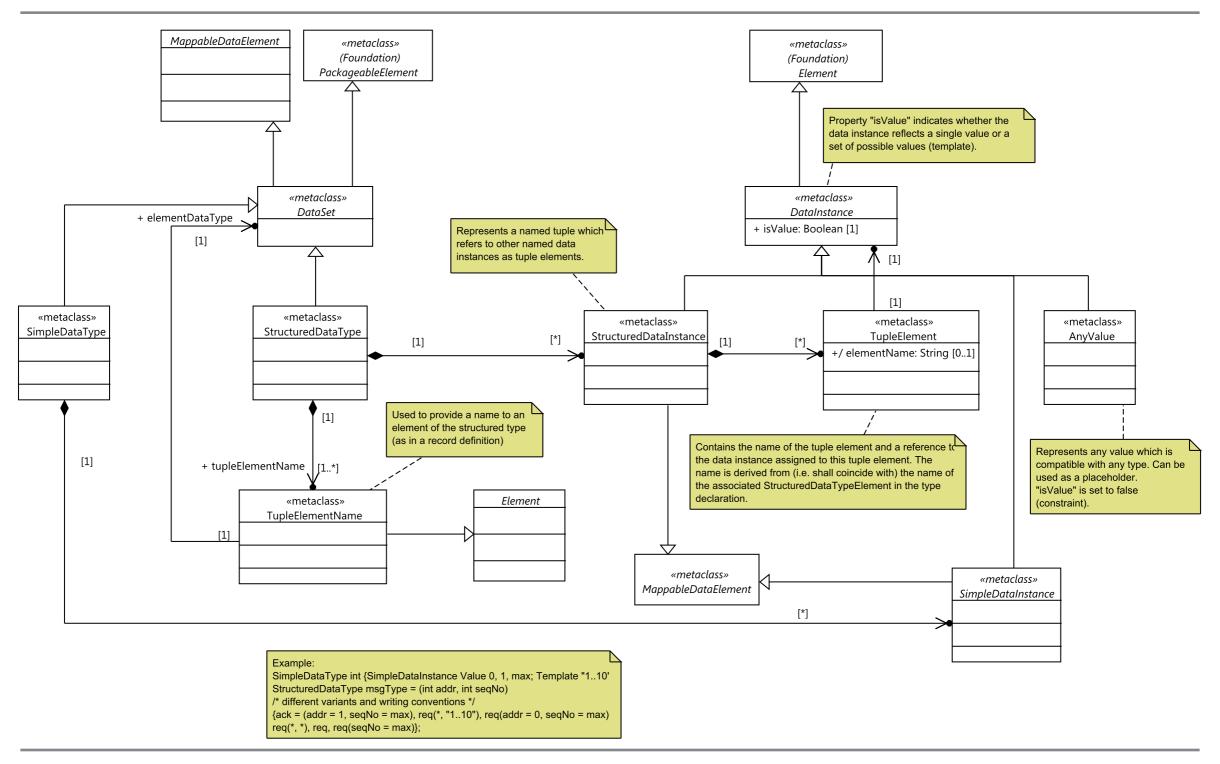
Feedback and Discussions

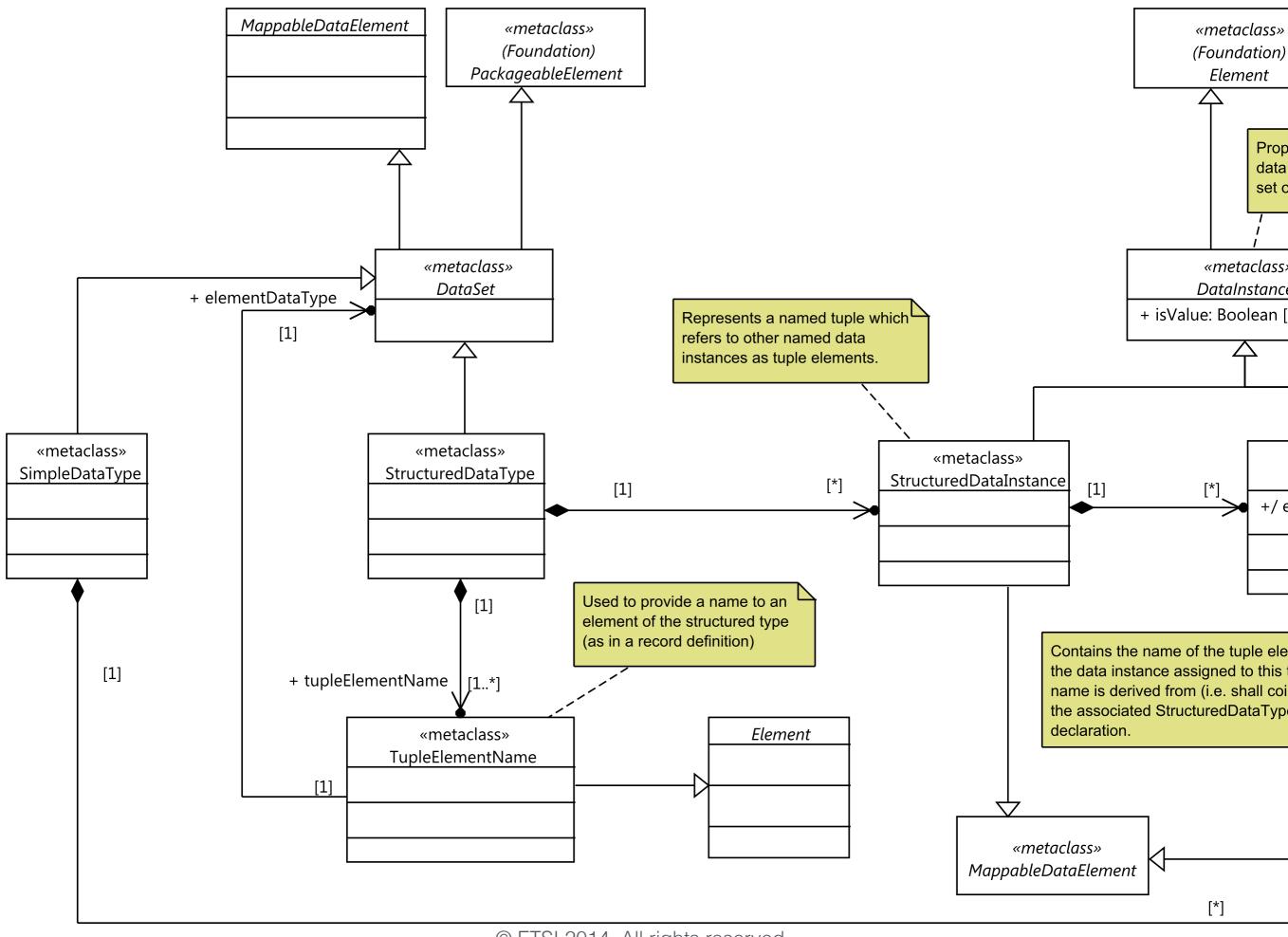
- Changing role assignments in test descriptions
 - different ways to achieve, postponed
 - are test architectures as a generic kind of test configurations desired?
- Different notions of SUT (SUT, IUT, OUT, ... xUT)
 - concrete syntax can be used to refine these, no semantical impact
- Graphical concrete syntax
 - document structure independent from meta-model document structure

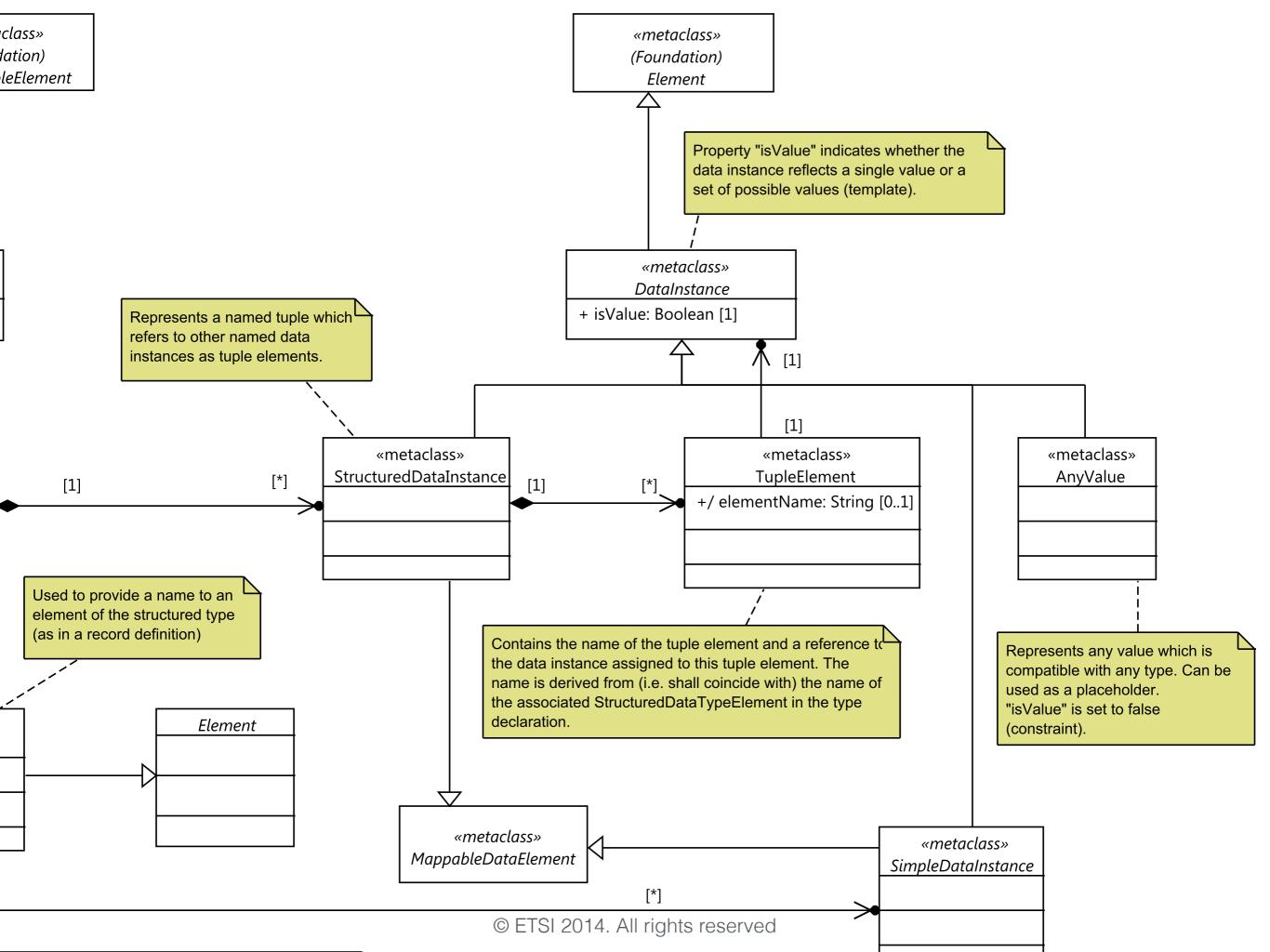
Task 1: Meta-Model

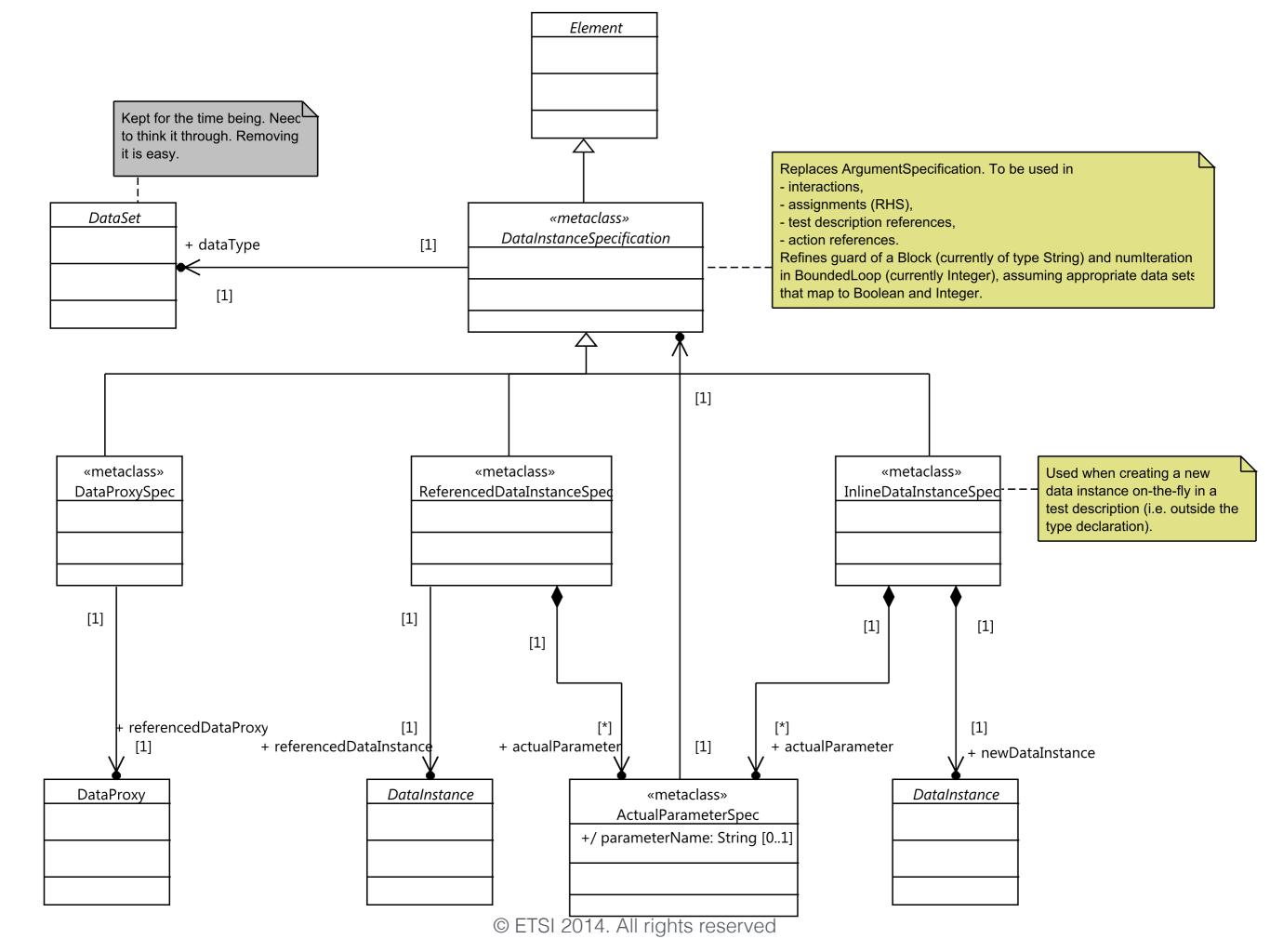
- Refinements of data and action concepts
 - variables and expressions
 - declaration and use of data related concepts
 - formalisation of actions (parameters, return types)
- Refinements of time related concepts
 - time observations and constraints

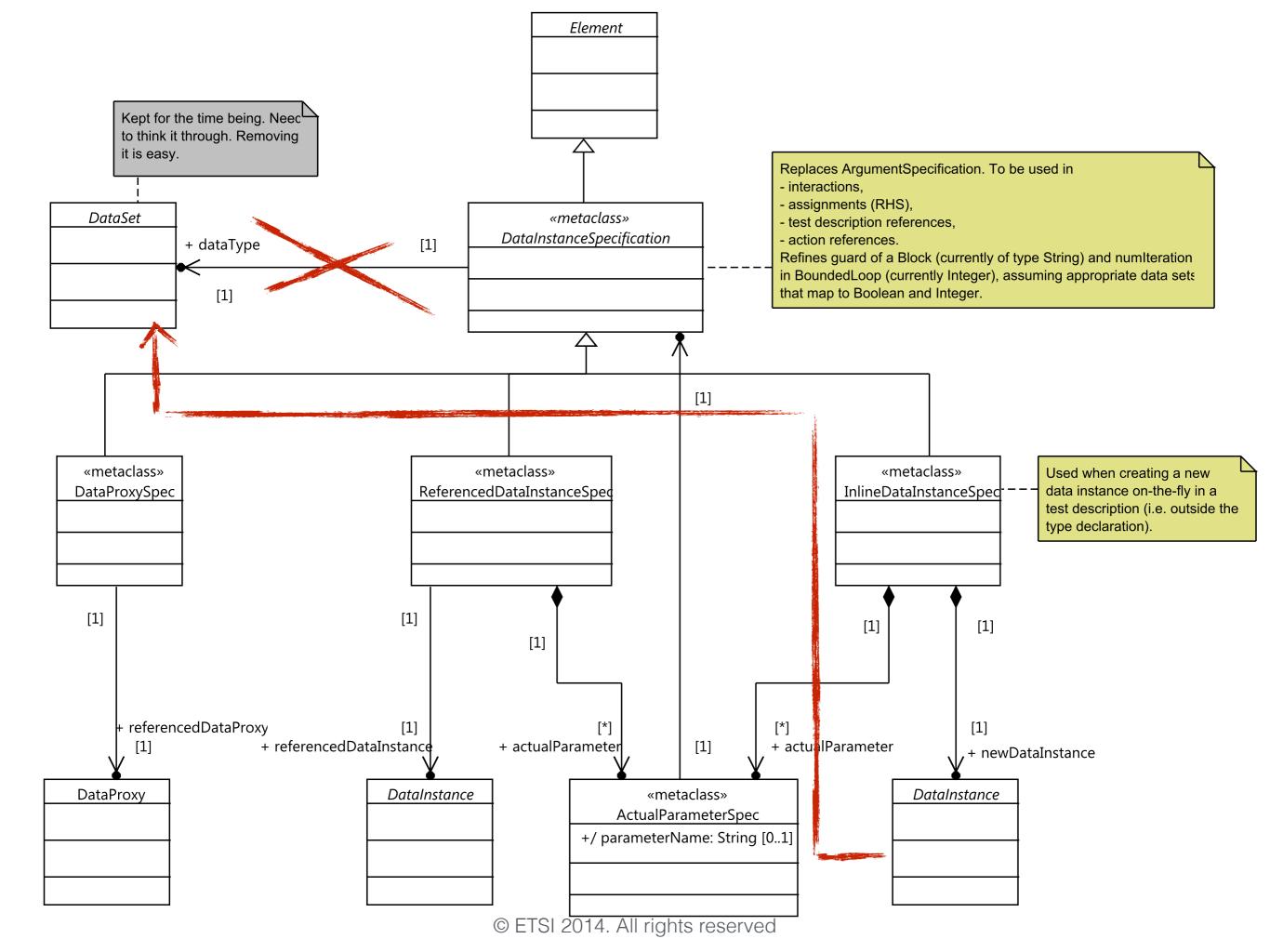
Task 1: Data Concepts

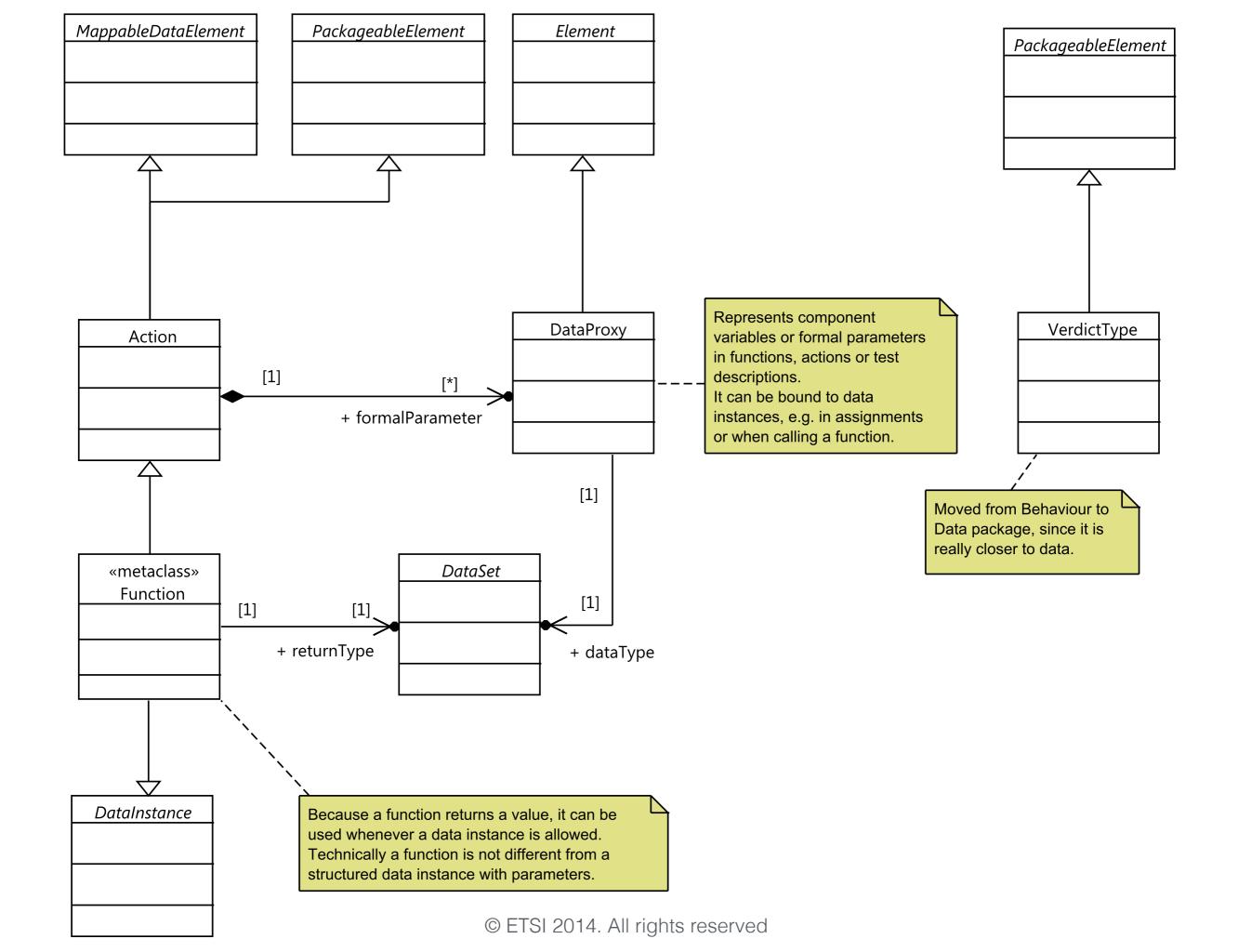










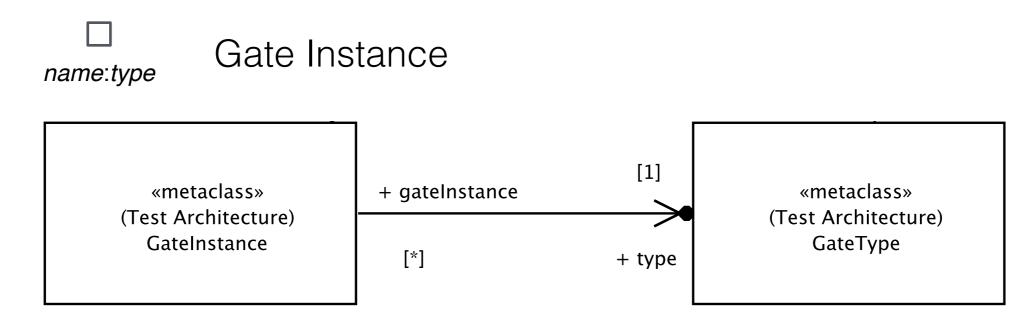


Task 1: Further Changes

- Test description: new root node for the behaviour
- Parallel: parallel blocks can have guards; removed constraint
- Action:
 - InlineAction as AtomicBehaviour with body:String
 - ActionMapping similar to data mapping
- Atomic behaviour: expressions and assignments
- Still a proposal! Extensive validation pending!

- Refinement and description of all elements that shall be represented graphically
 - data-related graphical elements to be proposed by 11.07.2014 due to delays in the meta-model updates
- Textual description of graphical elements
 - label aliases to be added for easier mapping
 - formalised description of labels within graphical elements
 - Informal mapping of graphical elements to meta-model elements

- Textual description of graphical elements
 - label aliases to be added for easier mapping
 - formalised description of labels within graphical elements

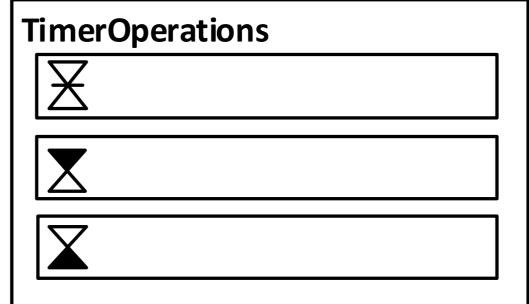


GateInstance.shape.name = GateInstance.model.name
GateInstance.shape.type = GateInstance.model.type.name

- New symbols
 - timer related symbols
- Diagrams
 - one type of diagram



- diagrams contain diagram elements representing packageable elements
- all other elements are represented within the containing element shapes



- Validation
 - (extended) IMS examples (from Part 1 and beyond)
 - examples from Siemens use cases
 - examples from Ericsson (later on)

Task 3: Exchange Format

- Introduction / scope / references
 - references and relationship to XMI, canonical XML, TDL
- Schema derivation
 - informal, based on references to relevant production rules from XMI
 - alternatively maintain complete set of production rules derived from XMI
 - limited expressiveness, additional information in Part 3 needed
 - additional refinements and restrictions where applicable

Task 3: Exchange Format

- Document Serialisation
 - document production rules
 - partial examples
- Annex
 - complete TDL schema
 - complete document examples (e.g. for examples in Part 1)
- Is EMF XMI schema sufficient? Is there is a need to go beyond?

Advanced Test Objective Specification

- New work item: Advanced Test Objective Specification with TDL
 - extension package for TDL, shall address ETSI's needs in particular
 - proposal accepted on 30.06.2014
 - minor delay due to technical (and possibly also coordination) issues
 - adjustment to start of work and deliverable schedules to be considered
 - funding for 20 days (total) + 5 days from CTI approved
 - budget even tighter than initially proposed (25 days)
 - needs to be taken into account for the scope of the deliverables

Further Activities

- Visibility
 - tutorial submitted and accepted for UCAAT 2014
 - website proposal prepared and submitted to STFLINK

Any Other Business?