

# **SKA Software Architecture Workshop**

**Monday, 9 January 2017 - Sunday, 15 January 2017**

**SKA Organisation**

## **Workshop Agenda**

Agenda (based on 7 day workshop).

>Day 1:</span>

#### Introductions

Facilitated group analysis of first mission thread to identify architecture concerns, quality attributes, and functional and architecture mismatches, using the SEI Mission Thread Workshop method.

Day 2:

Retrospective: Commonalities and themes across the findings of the first mission thread analysis.

Training Module: Quality Attributes (drawn from existing SEI courseware)

Day 3:

Facilitated Working Session: Expressing mission thread analysis findings as quality attribute scenarios, using parts of the SEI Quality Attribute Workshop method. (stimulus, response, environment).

Training Module: Introduction to Views and Beyond documentation method and/or ISO 42010 (drawn from existing SEI courseware). This will cover the baseline documentation template that will be tailored for SKA Telescope in a later session.

Day 4:

Facilitated group analysis of second mission thread to identify architecture concerns, quality attributes, and functional and architecture mismatches, using the SEI Mission Thread Workshop method. Apply quality attribute scenario methods to capture more precise architecture requirements. Incorporate discussion of where the analysis findings should appear in the documentation template.

Training Module: Interface and behavior documentation (drawn from existing SEI courseware).

Day 5:

Working session to collect quality attributes and scenarios into a utility tree.

Facilitated group identification and specification of 2-3 additional mission threads. Assessment of coverage provided by the full set of mission threads.

Day 6:

Facilitated group working session to produce tailored documentation template, reflecting where integration architecture concerns will be identified and addressed.

Start of practice and coaching session: Break into groups of 2-3, begin documenting key inter-system interfaces.

Day 7:

Complete practice and coaching session.

## Wrap up