

## Competencies for Regulatory Staff

### Competency: Maintenance Programmes

**Description:** The ability to assess an organisation's aircraft maintenance programme and its amendments in order to make a decision regarding an approval.

*Note: Elements are in italics.*

#### *Understanding*

Knowledge of the requirement in OTAR Part 39 and understand the need for a maintenance programme in order to be able to apply the requirements.

Understand the different types of Maintenance Steering Group (MSG 1,2 and 3) and reliability.

Know what the components of an MSG are.

Understand the Maintenance Review Board (MRB) process.

Understand how the process of ageing aircraft systems relates to Maintenance programmes. (see separate competence).

Knowledge of low utilisation maintenance programmes (LUMPs) in order to be able to explain the rationale of a LUMP and assess an organisation's LUMP.

Understand the aircraft certification process and system safety analysis process in order to be able to assess and understand the mandatory certification maintenance requirements.

Be knowledgeable on the different types of aircraft inspections.

Basic knowledge of aircraft structures and systems failure models.

Understanding the effects of escalation on the airworthiness of the aircraft.

Know how to construct an effective task card.

know which data sources are applicable and be able to interpret statistical data.

#### *Guidance*

Is able to provide expertise relating Maintenance Programmes for the development of OTARs and adherence to ICAO requirements.

Can provide a focal point for advice to other technical areas on issues involved with Maintenance Programmes.

*Persons to whom this is likely to apply:*

Airworthiness Surveyors