

**Annex I to Decision 2015/010/R<sup>1</sup> ‘AMC and GM to Part ATCO’  
Amendment 1**

The text of the amendment is arranged to show deleted, new or amended text as shown below:

- deleted text is marked with ~~strike through~~;
- new or amended text is highlighted in grey; and
- an ellipsis (...) indicates that the remaining text is unchanged in front of or following the reflected amendment.

Annex I to Decision 2015/010/R is hereby amended as follows:

A new AMC1 ATCO.B.020(a) is inserted as follows:

**AMC1 ATCO.B.020(a) Unit endorsements**

**GENERAL**

When aerodrome control service is provided from a remote location, each aerodrome should constitute its own unit endorsement.

A new GM1 ATCO.D.055(a) is inserted as follows:

**GM1 ATCO.D.055(a) Unit training plan**

**ATC UNIT FOR AERODROME CONTROL FROM A REMOTE TOWER**

For the purpose of establishing a unit training plan, a Remote Tower Centre (RTC) may be considered as one Air Traffic Control (ATC) unit.

A new GM3 ATCO.D.060(c) is inserted as follows:

**GM3 ATCO.D.060(c) Unit endorsement course**

**PERFORMANCE OBJECTIVES FOR AIR TRAFFIC CONTROLLERS PROVIDING AERODROME CONTROL SERVICE FROM A REMOTE TOWER**

The performance objectives for air traffic controllers providing aerodrome control service from a remote tower should ensure, through the use of a Remote Tower Module (RTM), that applicants apply ATC procedures in a manner that airspace users are not negatively impacted/affected, providing at least the same level of safety as from a conventional tower.

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<sup>1</sup> Decision 2015/010/R of the Executive Director of the Agency of 13 March 2015 adopting Acceptable Means of Compliance and Guidance Material to Commission Regulation (EU) 2015/340.

A new GM4 ATCO.D.060(c) is inserted as follows:

**GM4 ATCO.D.060(c) Unit endorsement course**

**TRAINING FOR AIR TRAFFIC CONTROLLERS PROVIDING AERODROME CONTROL SERVICE FROM A REMOTE TOWER**

For air traffic controllers providing aerodrome control service from a remote tower, the following subjects, subject objectives, topics and subtopics should be integrated into the unit endorsement course:

**Subject 1: REMOTE TOWER OPERATION**

The subject objective is:

Learners shall acquire knowledge of the concept of remote tower operations, the characteristics of the operating environment, as well as the functions and limitations of the equipment.

**TOPIC RTO 1 INTRODUCTION TO REMOTE TOWER OPERATION**

Subtopic RTO 1.1 — Operational applications

Subtopic RTO 1.2 — Remote Tower Modules (RTMs), Remote Tower Centre (RTC)

Subtopic RTO 1.3 — Advanced Visual Features (AVFs) — Technologies, if available, to enhance visual presentation

**TOPIC RTO 2 OPERATING ENVIRONMENT**

Subtopic RTO 2.1 — Configuration of the RTM

Subtopic RTO 2.2 — Visual presentation at the RTM, e.g. layout of the visual presentation, end-to-end delay, orientation, differences in light conditions between the aerodrome and the Out-The-Window (OTW) visual presentation, use of filters, recognition of 'dead' pixels

Subtopic RTO 2.3 — Operating methods

Subtopic RTO 2.4 — Set-up and characteristics of the local equipment, including the location of the cameras

Subtopic RTO 2.5 — Familiarisation with the physical aerodrome environment and the different stakeholders via study visit(s)

Subtopic RTO 2.6 — Weather conditions' impact on the equipment and on the visual presentation

**Subject 2: HUMAN FACTORS**

The subject objective is:

Learners shall appreciate the necessity to consider the specific human factors influence on the remote provision of aerodrome control service.

**Subject 3: ABNORMAL SITUATIONS**

The subject objective is:

Learners shall recognise specific abnormal situations and manage their impact.

**TOPIC ABN 1 LOSS OF VISUAL PRESENTATION**

Subtopic ABN 1.1 — Complete loss of visual presentation, e.g. 'blank screens' or frozen presentation

Subtopic ABN 1.2 — Visual presentation not being current

**TOPIC ABN 2 DEGRADED MODES OF VISUAL PRESENTATION**

Subtopic ABN 2.1 — Partial loss of visual presentation (e.g. loss of a screen(s) or camera failure)

Subtopic ABN 2.2 — Loss or degradation of the labelling system, if available

Subtopic ABN 2.3 — Loss or degradation of the zooming functionality and signalling lamp

A new GM1 ATCO.D.080(b) is inserted as follows:

**GM1 ATCO.D.080(b) Refresher training**

TRAINING FOR AIR TRAFFIC CONTROLLERS PROVIDING AERODROME CONTROL SERVICE FROM A REMOTE TOWER

For air traffic controllers providing aerodrome control service from a remote tower, the refresher training should include familiarisation with the physical aerodrome environment and the different stakeholders via study visit(s).

A new GM1 ATCO.D.085 is inserted as follows:

**GM1 ATCO.D.085 Conversion training**

TRAINING FOR AIR TRAFFIC CONTROLLERS PROVIDING AERODROME CONTROL SERVICE FROM A REMOTE TOWER

When converting from a conventional tower to a remote tower, the conversion training for air traffic controllers providing aerodrome control service from a remote tower should at least include the subjects, subject objectives, topics and subtopics as specified in GM4 ATCO.D.060(c).

When converting from a remote tower to a conventional tower, the training organisation should consider possible additional training needs, if appropriate, required by the change of operational environment.

AMC1 ATCO.B.035(a)(3)(i) is amended as follows:

**AMC1 ATCO.B.035(a)(3)(i) Validity of language proficiency endorsement**

VALIDITY OF THE LANGUAGE ENDORSEMENT OF PROFICIENCY LEVEL 6 IN ENGLISH LANGUAGE

When replacing the licences according to Article 8(1) of Regulation (EU) 2015/340, the validity period for the expert level (level six) language proficiency endorsements should be introduced into the new licence.

The nine-year validity period for an expert level (level six) language proficiency endorsement in English ~~acquired before 30 June 2015~~ should be counted from the date of the issue of the new licence or from the date of the assessment, ~~whichever occurs first~~.