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A 016. ADVANCED SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM (A-SMGCS) LEVEL 2, USING MODE S MULTILATERATION, IN VILNIUS AERODROME

1. Introduction

Vilnius aerodrome has been equipped with the Advanced Surface Movement Guidance and Control System (A-SMGCS) of Level 2, using Mode S Multilateration.

2. Transponder operating procedures when on the ground

Aircraft operators, intending to use Vilnius aerodrome, shall ensure that on-board transponders operate properly when an aircraft is on the ground.

Pilots shall:

- Select the on-board transponder AUTO mode and set the assigned Mode A code.
- If the transponder AUTO mode is not available, shall select the ON mode (e.g. XPDR) and set the assigned Mode A code:
 - On requesting push-back or taxi, whichever is earlier;
 - After landing, shall keep it on continuously until the aircraft is fully parked on stand;
 - When the aircraft is fully parked on stand, shall set the transponder STBY mode.

In case an aircraft is equipped with an aircraft identification (i.e. in-flight callsign) transmission capability, this identification shall be also entered by the air crew on requesting push-back or taxi, whichever is earlier (by using FMS or Transponder Control Panel). To enter the aircraft identification, the air crew shall use the format prescribed by ICAO (e.g. AFR6380, SAS589, BAW68PG).

To ensure adequate performance of systems based on SSR transponder frequencies (including airborne TCAS and SSR radars), the departing aircraft's TCAS shall not be switched on until the aircraft has reached the designated holding point near the runway. After having landed and vacated the runway, the aircraft shall switch off TCAS.

During their maintenance or technical inspection, the aircraft parked in an aerodrome or hangar shall have their transponder switched off or shall have selected Mode A code 7711 or 7722.

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