

TICKET #IE314_155

The QTG 4.c.i (VGS) re-run should have the result indicated on the re-run QTG.

Created Ticket with Alsim to include a “Pass/Fail Check box on the page. Template (see below)

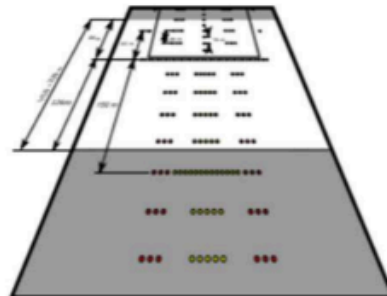
Requested Change

Chapter 2. Objective Tests
2-2. Manual Tests

alsim
A42M2 DA42-VI QTG

Manual Test	
Visual Ground Segment	
Test Id: 4.c.i	Certification: FNPT-II
Flight Model: AL42	
Test Objective	Expected Results
The objective of the test is to demonstrate that the visual system ground segment visible to the pilot when conducting a landing manoeuvre in low visibility conforms to the class of aeroplanes.	220 m
Reference	Tolerances
QTG Volume I - Validation Data - Visual System - VGS Calculation- 4.c.i - See 4.c.i Volumes I	Near end: The lights computed to be visible should be visible Far end: +/-20% of computed VGS
Demonstration Procedure	
Weather conditions are 15C and 1013hPa. The aircraft (at maximum weight) is set in Landing configuration at LFRS RWY 03 (ILS 109.9) with a 350m Runway Visual Range (RVR) (set RVR and fog from the weather page of the Instructor Station) and the descent stopped at 30m (100ft) above threshold elevation which corresponds to 173ft QNH. The Visual System should show a maximum visibility of 350m (1200ft) and a certain amount of RWY edge lights and Approach lights which total distance equals the Visual Ground Segment. IAS should be 90 kts and VS -450ft/min. Engine parameters are 2020 RPM and 45% Load. (Please refer to the QTG volume I for more details.)	

Operation	Computed	Measured	Tolerance
VGS (m)	214	220	170 : 255



☒ pass
☐ fail

Authority's approval	Operator's approval
Date, signature & comments	Date, signature & comments

24-04-2023

Please see modified template document (Simple Pass Fail Indicator added)

Chapter 2. Objective Tests

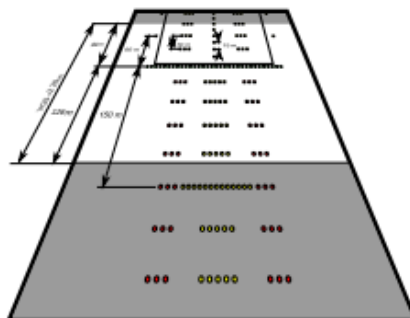
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A42M2 DA42-VI QTG

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PASS _____

FAIL _____

Authority's approval Date, signature & comments	Operator's approval Date, signature & comments