

HALT & HASS

- when and how is it relevant?

An introduction to HALT & HASS focusing on
classical HALT

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Photo of the jet by Fototjenesten, Flyvestation Ålborg

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Table of contents

1.	Summary	7
2.	Introduction	9
2.1	Purpose of the project.....	9
2.2	The outline of the project.....	9
2.3	Introduction to HALT & HASS	10
3.	HALT & HASS in comparison with conventional test strategies	13
3.1	Characterisation of tests.....	13
3.2	Test specimen	13
3.3	Test conditions.....	15
3.4	Monitoring of test specimen.....	17
3.5	The new tests	17
3.6	Conventional tests	21
3.7	Test matrix - overview.....	30
3.8	Comparison of conventional and new tests	30
4.	Failure analysis – an important tool	33
4.1	Failure analysis – Conventional and in relation to HALT.....	33
5.	Case studies	39
5.1	DC/DC converter supplied by Terma A/S for use in aircrafts	41
5.2	Adapto BTE (Behind The Ear) hearing aid supplied by Oticon A/S	51
5.3	Ultrasound scanner electronics from B-K Medical A/S	59
5.4	Modules for BeoSound 1 and BeoSound 3000 from Bang & Olufsen A/S	72
6.	Survey of results	87
7.	Guidelines.....	89
7.1	Guideline for introduction of HALT & HASS.....	89
7.2	Guideline for selection of HALT exposures.....	92
7.3	Guideline for design of HASS cycle	94
8.	Discussion and conclusion.....	97
Annex 1	Literature references	99
Annex 2	DELTA HALT facilities	103
Annex 3	Case study - DC/DC converter for use in jet fighters supplied by Terma A/S - detailed test log, “Cooling of power module”, vibrations tests performed according to MIL-STD-810F	107
Annex 4	Case study - CQ-6263 Adapto BTE hearing aid supplied by Oticon A/S - detailed test log	115
Annex 5	Case study - Ultrasound scanner 2120 EXL supplied by B-K Medical A/S - detailed test log	125
Annex 6	Case study – Modules for BeoSound 1 and BeoSound 3000 supplied by Bang & Olufsen A/S – detailed test log.....	157

1. Summary

HALT & HASS is an exciting new test philosophy which has gained great interest from a large number of companies in Scandinavia within the last couple of years. Some companies have already performed HALT while others are still discussing whether it is relevant to perform a HALT.

These companies are faced with the question on when and how HALT & HASS is relevant for them.

The project gives an introduction to HALT & HASS by describing the test strategies and relating them to other test and analysis strategies. However, the main focus is on the practical part demonstrating the application of HALT on a number of different products for very different applications. The presentation of the cases includes all practical aspects of a HALT e.g. criteria for selection of test specimen, function test and function test set-up, selection of HALT exposures, fixation of test specimen, summary of testing and results as well as comments and conclusion. The majority of the cases has involved classic HALT i.e. HALT with thermo-mechanical exposures. The conclusions drawn from the case studies have led to the formulation of guidelines regarding implementation of HALT & HASS, selection of HALT conditions and design of a HASS cycle from HALT results.