ATLAS

ATLAS TDAQ <sub-group>

<component> Test Plan

Document Version:	1
Document Issue:	0
Document ID:	ATLAS-TDAQ-2003-XXX or EDMS Id XXXXXX
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Abstract

Abstract text.

This is a template to report on unit, component or integration tests.

Keywords: list of keywords.

Institutes and Authors:

Institute 1: A. Author, B. Author, C. Author

Institute 2: A. Author

Institute 3: A. Author, B. .Author

etc...

Table 1 Document Change Record

Title:	ATLAS TDAQ <sub-group> <component> Test Plan		
ID:	ATLAS-TDAQ-2003-XXX or EDMS Id XXXXXX		
Version	**Issue**	**Date**	**Comment**
1	0	Last modification date	Do not forget to edit variables DocVersion, DocIssue and DocDate. It is possible to reuse the same Test Plan for subsequent tests.

A different version number should be given to the document if substantial changes to the contents of the document have been made. Different issue numbers within a given version indicate minor changes only such as spelling and grammatical corrections.

Note on red text: The red text provides an explanation of the suggested contents for each section and some examples. In the Framemaker template the red text is defined as "Conditional text" with the "Template Guide" tag. All the Template Guide text may be displayed or hidden by the following menu options:

Special/Conditional Text.../Show | Hide...

The colour of the Template Guide text may be changed in the following way:

Special/Conditional Text.../select "Template Guide"/Edit Condition Tag...

1 Introduction

Brief introductory text about the component.

1.1 Purpose of the document

This document presents the Test Plan for the <component> of the ATLAS TDAQ <sub-group>. If this document follows on or supersedes previous tests this should be stated here.

1.2 Glossary, acronyms and abbreviations

Provide definitions for all terms, acronyms and abbreviations used in the document. Any existing glossaries which are used should be referenced, to avoid repetition here.

1.2.1 Glossary

For long descriptions use a pair of Dfn1Part1Term/Dfn1Part2Desc paragraph formats:

Example: **Farm**
a set of computing nodes linked by a network or a bus

Something else to be defined
and here is the description for something else

A reference to the ATLAS/TDAQ glossary may be sufficient (http://mdobson.home.cern.ch/mdobson/tdaq/glossary.html)

1.2.2 Acronyms and Abbreviations

For short descriptions use a pair of Dfn1Part1TermRIH/Dfn1Part2Desc paragraph formats:

CERN European Laboratory for Particle Physics

ASA Another Silly Acronym

1.3 References

List all external documents referenced in this document.

1

2

3

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2 General Description

Short general description of the test and the component under test with appropriate references and time scale. Explain context, background, purpose and assumptions.

Add appropriate subsections only if the general description needs to be broken down for clarity. This should not be necessary if the chapter is sufficiently short.

3 Features and Items to be tested

For a small test, a single level of description (e.g. a bulleted list) may be sufficient. For a complex test, a breakdown into subsections (for features) and a numbered list (for items) may be clearer. Include references to requirements being tested if appropriate. List items/features/requirements which are not tested. Examples of 'features' are functionality, performance, scalability, usability, fault tolerance, reliability and stress tests.

4 Approach

Describe the test approach: how and the expected outcome. Mention special tools that may be used for testing.

5 Deliverables

List the outcome of the test both in terms of content and form (reports, spread sheets, plots, ...)

6 Practicalities

Describe the practical aspects: organisation, logistics, pre-requisites, team & responsibilities (for equipment, measurements, deliverables ...), schedule & contingencies. This may be broken down in subsections if required.

7 Risks

For large tests it may not be obvious that all results may be obtained as foreseen. Does the test still make sense if delayed ? Add a risk analysis if appropriate.

This document has been prepared using the Test Plan Document Template version 0.2 provided and approve
by the Atlas TDAQ and DCS Connect Forum. For more information, go to
http://atlas-connect-forum.web.cern.ch/Atlas-connect-forum/ .
The template is based on the SDLT Single File Template that has been prepared by the IPT Group
(Information, Process and Technology), IT Division, CERN (The European Laboratory for Particle Physics).
For more information, go to http://framemaker.cern.ch/.