# VISTA

Visible & Infrared Survey Telescope for Astronomy

## Project Office

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# Change Record

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| 1 | 10/7/01 | | First Issue |
| 2 | 5 Oct. 2001 | 2 | References updated. |
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# Table of Contents

# 1    Introduction

This document lists the software and computing documents, and describes how they relate to the documents prescribed in the original proposal [AD01].

Since the proposal for the managing organisation was written, the situation has changed quite radically especially with regard to software.  The decision to site VISTA next to the ESO VLT on Cerro Paranal is in fact much more than a site decision.  ESO have implemented for the VLT a well documented set of standards and extensive infrastructure software.  Using these and, where appropriate, existing software applications is now a constraint.  (As well as being a constraint it is a significant benefit.)  Being able to benefit from such an infrastructure was not assumed when the Phase A Proposal was written and so there have been some resultant changes to the list of documents appropriate for Phase A.

# 2    Applicable Documents

AD01   UK ATC Proposal for the VISTA Management Organisation, 20 November 1999.

AD02   *Assessment of VLT TCS  for Use with VISTA*, VIS-TRE-ATC-00150-0004, Issue 2, 2 October 2001.

AD03   *VISTA Software Architectural Design*, VIS-TRE-ATC-00150-0001, Issue 2, 2 October 2001.

AD04   *VISTA Computer Hardware Architectural Design*, VIS-TRE-ATC-00150-0002, Issue 2, 2 October 2001.

AD05   *VISTA Software Management Plan*, VIS-PLA-ATC-00150-0006, Issue 2, 27 Sept. 2001.

AD06   *VISTA Data Storage and Transport*, VIS-TRE-ATC-00150-0005, Issue 2, 2 October 2001.

AD07   *VISTA Instrument Software Requirements*, VIS-SPE-ATC-00150-0003, Issue 2, 28 September 2001.

# 3    Reference Documents

None

# 4 Documents Listed in Proposal

## 4.1 Computing Controls Requirements Document

Rather than write a requirements document from a blank sheet of paper, the approach adopted was to examine the VLT TCS against VISTA's requirements. The resultant document is *Assessment of VLT TCS for Use with VISTA* [AD02]. Computing and Controls requirements relating to the instruments are documented in the *Instrument Software Requirements* [AD07].

## 4.2 Architectural Design Document

Two documents fulfil this requirement:
- *VISTA Software Architectural Design* [AD03]
- *VISTA Computer Hardware Architectural Design* [AD04]

## 4.3 Software Management Plan

This document has been issued [AD05].

## 4.4 Computing Standards Document

VISTA will apply ESO standards. These are well documented and are listed in the VISTA Software Management Plan [AD05].

## 4.5 Software Standards Document

VISTA will apply ESO standards. These are well documented and are listed in the VISTA Software Management Plan [AD05].

## 4.6 Networking Requirements Document

VISTA will use ESO's local and wide area networks at Paranal. Requirements that VISTA will place on these are described in the *VISTA Computer Hardware Architectural Design* [AD04] and *VISTA Data Storage and Transport* [AD06].

## 4.7 Telescope Control Software Requirements

This information is described in *Assessment of VLT TCS for Use with VISTA* [AD02].

## 4.8 Instrument Control Software Requirements

*VISTA Instrument Software Requirements* [AD07] fulfils this requirement.

## 4.9 Data Storage Technology and VISTA Design Study

*VISTA Data Storage and Transport* [AD06] fulfils this requirement.

## 4.10 Data Archiving Requirements

These requirements are described in *Instrument Software Requirements* [AD07].

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