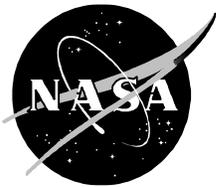


# VERSION DESCRIPTION DOCUMENT FOR THE SITE FOR ON-LINE LEARNING AND RESOURCES (SOLAR)

Release 2.1

October 18, 2004

UNITeS Contract



National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**  
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT  
FOR THE  
SOLAR RELEASE 2.1**

Submitted by

Steve Rowell  
Learning Systems Group Lead

Reviewed by

SAIC

Steve Worley  
Agencywide Web Applications Group Manager  
Procurement Systems

Jim Cofer  
Configuration Management

Steve Rowell  
Agencywide Applications Manager

Bernadette Garrett-McCants  
SOLAR DBA

Prepared by  
Computer Sciences Corporation, Contract NNM04AA02C  
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, ALABAMA

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Approved by

Marisa Wofford  
Consolidation Center Project Manager

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, ALABAMA

October 2004

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## **1.0 INTRODUCTION**

This Version Description Document (VDD) describes the changes and installation procedures for Release 2.1 of the Site for On-line Learning and Resources (SOLAR). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

### **1.1 IDENTIFICATION OF THE RELEASE**

This software release is identified as SOLAR Release 2.1 and has an effective release date of October 18, 2004.

### **1.2 PURPOSE OF THE RELEASE**

**THIS RELEASE IMPLEMENTS MODIFICATIONS NECESSITATED BY THE FOLLOWING CHANGE CONTROL REQUESTS (CCR):**

<b>Number</b>	<b>Description</b>
<b>20040022</b>	Add additional field – test_cert_id
<b>20040021</b>	Convert LONG data to VARCHAR2 data type
<b>20040020</b>	Admin RPT does not run correctly on Mac/IE
<b>20040014</b>	Add Course Survey link to individual user report
<b>20040012</b>	New POC Reporting Capability
<b>20040024</b>	Fix Admin/Rpts and Find/Manager Users

### **1.3 SCOPE**

This VDD provides the functional and technical user of SOLAR with information regarding the contents, status, and structure of Release 2.1, including the following:

- Changes implemented since Release 2.0
- References to other documentation affected by this release.
- Detailed software installation instructions.

No waivers are associated with this release.

## 1.4 CONTACT POINTS

Sustaining Engineering for SOLAR is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NASA Information Support Center (NISC), (Identify the application as SOLAR)

Telephone: (256) 544-1771 or 1-866-419-6297  
Email: <mailto:solar.support@msfc.nasa.gov>  
FAX: (256) 544-6700

## **2.0 FUNCTIONAL INFORMATION**

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

### **2.1 FUNCTIONAL CHANGES**

Please refer to Appendix C, Functional Impact, for a description of all functional changes related to this release.

### **2.2 FUNCTIONAL INTERFACES**

This release does not impact any other application.

### **2.3 CRITICAL ISSUES**

No critical issues exist for this release.

### **2.4 AFFECTED DOCUMENTS**

No other documents are affected.

### **2.5 APPLICATION SYSTEM ADMINISTRATION**

There are no application system administration changes associated with this release.

### **3.0 TECHNICAL INFORMATION**

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

#### **3.1 TECHNICAL SYSTEM INTERFACES**

This release does not impact any technical system interfaces.

#### **3.2 DATA DICTIONARY CHANGES**

Add field test\_cert\_id to module table.

Creation of field level check constraint on test\_cert\_id field.

Conversion of longdata field in the longdata table from datatype long to varchar2.

#### **3.3 DATABASE ADMINISTRATION**

Alter table module add field test\_cert\_id.

MODULE_ID	NOT NULL VARCHAR2(8)
NAME	NOT NULL VARCHAR2(256)
DESCRIPTION	VARCHAR2(256)
SME_USER_ID	VARCHAR2(16)
DISC_ID	NOT NULL VARCHAR2(8)
STATUS	VARCHAR2(8)
COURSE_NUM	VARCHAR2(11)
ON_DUTY_HOURS	VARCHAR2(25)
SOURCE_OF_TRAINING	VARCHAR2(25)
SPECIAL_INTEREST_CODE	VARCHAR2(25)
<b>TEST_CERT_ID</b>	<b>NUMBER(1)</b>

Alter table module add check constraint test\_cert\_id\_ck.

Develop and execute PL/SQL script to create table longdata\_new with varchar2 datatype then extract data from original longdata table into longdata\_new table, drop the original longdata table and rename longdata\_new to longdata. Yielding the following results;

ID	VARCHAR2(8)
DISC_ID	VARCHAR2(8)
TEXT	<b>VARCHAR2(4000)</b>

### **3.3.1 Release Dataset Names**

N/A

### **3.3.2 Storage Considerations**

The changes represented by this release should not affect storage requirements.

## **3.4 OPERATIONAL PREPARATION**

N/A.

#### **4.0 KNOWN AND OPEN PROBLEMS**

There are no known or open problems related to this release.

**APPENDIX A**  
**ABBREVIATIONS AND ACRONYMS**

## ABBREVIATIONS AND ACRONYMS

CC	Consolidation Center
CCR	Change Control Request
CGI	Common Gateway Interface
DBA	Database Administrator
EPS	Electronic Posting System
MSFC	Marshall Space Flight Center
NASA	National Aeronautics and Space Administration
NFS	NASA FAR Supplement
RFI	Request for Information
SAIC	Scientific Applications International Corporation
SAP	Simplified Acquisition Procedures
SOLAR	Site for On-line Learning and Resources
UNITeS	Unified NASA Information Technology Services
UOG	User and Operations Guide
VDD	Version Description Document

**APPENDIX B**  
**GLOSSARY**

## **GLOSSARY**

### **Database Administration**

Responsibility for maintaining the physical database environment.

### **Implementation**

The process by which a NASA site installs a software release and places it into operational use.

### **Operational Preparation**

Preparation by a NASA site for installation and use of a release.

### **System Administration**

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

**APPENDIX C**  
**FUNCTIONAL IMPACT**

## **FUNCTIONAL IMPACT**

### **CCR 20040012 – New POC Reporting Functional Impact**

Other than receiving the paper copies of course completion certificates, supervisors have no way of know that employee's have completed mandatory training.

In place of eMailing course completion certificates to supervisors, make the SOLAR reports accessible to non-Administrative users.

1. Place an administrative POC list link on the SOLAR home page. The list would include the current SOLAR administrators for each center and discipline. The list would include person's name, phone, e-mail, org code, and discipline, where it applies.
2. Include a note for supervisors saying something to the effect "If you're a supervisor, and would like to obtain a report, contact the admin person listed for your center, discipline or org code ".

**CCR 20040014** - Add Course Survey link to individual user report.

### **Functional Impact**

Users cannot take a course survey without retaking the test.

A link should be added next to the "Certificate" link on the individual user report page. The "Course Survey" link would allow users to take the course survey at their leisure rather than immediately after the test.

**CCR 20040020** - Admin RPT does not run correctly on Mac/IE.

### **Functional Impact**

Admin reports do not run correctly on a Mac with Internet Explorer browser.

The Admin Reports code was modified to correctly execute and present the reports back to the user when the user was on a MAC using the IE browser.

**CCR 20040021** - Convert LONG data to VARCHAR2 data type.

### **Functional Impact**

The Longdata table contains a field call 'text' that is currently an Oracle longdata type; this makes it impossible to migrate the database to current versions of Oracle automatically. This data type also limits the ability to perform routine SQL commands. This table stores data that relate to a number of entities two of which are; sme\_question and messages. This is a follow on effort to complete the 2.0 database schema change.

Converting the longdata data type to a Varchar2 data type will make it easier to migrate the text data to a new platform along with reducing the code complexity associated with longdata data types.

**CCR 20040022** - Add additional field – test\_cert\_id.

### **Functional Impact**

Currently there is no way to identify whether a course has a test or certification by looking at the course profile.

Add an additional field called test\_cert\_id to the module table. This field would identify if a course had a test, certification or neither.

**CCR 20040024** – Fix the Admin/Rpts and Find/Manager Users.

### **Functional Impact**

The Module Report, User Report and Find/Manage Users need work:

1. Module Rpt - add course numbers, pop-up, add location to email,
2. User Rpt - failing scores not displaying,
3. Find/Manage Users - Grant Access buttons not displaying.

Make the following corrections:

1. Module Rpt - include all course numbers and resize pop-up, add location to report when emailing.
2. User Rpt - fix rpt to display test scores (pass or fail)
3. Find/Manage Users - allow a blank TA type so buttons will display.