

# Standards Change Request

**Modify definitions for START\_TIME & STOP\_TIME**

**SCR3-1019**

## **Provenance:**

Date: 2007-0110

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## **Problem:**

START\_TIME is a fundamental search parameter in nearly all PDS data products, yet there is no formal definition of what time should be recorded in START\_TIME. In fact, time is not well defined in most, if not all, elements with a type of TIME.

## **Current Urgency:**

Priority is high. I'd call this high priority largely because a) it should be relatively simple to do, provided we agree, and b) with increasing national exposure and interoperability discussions with NVO heating up, it would be rather embarrassing to have to admit that we don't actually have a time standard for START\_TIME.

## **Proposed Solution:**

START\_TIME and STOP\_TIME should have their PSDD definitions modified to state explicitly that they are measured in UTC.

Change the current definition of START\_TIME from:

The start\_time element provides the date and time of the beginning of an event or observation (whether it be a spacecraft, ground-based, or system event) in UTC system format.

Formation rule: YYYY-MM-DDThh:mm:ss[.fff]"

To:

The start\_time element provides the date and time of the beginning of an event or observation (whether it be a spacecraft, ground-based, or system event) in UTC.

Formation rule: YYYY-MM-DDThh:mm:ss[.fff]"

### Change the current definition of STOP\_TIME from:

The stop\_time element provides the date and time of the end of an observation or event (whether it be a spacecraft, ground-based, or system event) in UTC system format.  
Formation rule: YYYY-MM-DDThh:mm:ss[.fff]

### To:

The stop\_time element provides the date and time of the end of an observation or event (whether it be a spacecraft, ground-based, or system event) in UTC.  
Formation rule: YYYY-MM-DDThh:mm:ss[.fff]

### **Impact Assessment:**

The impact should be low. The Data Dictionary will need to be modified with the above changes to START\_TIME and STOP\_TIME.

### **Additional Information:**

N/A

### **Requested Changes:**

An updated element definition for START\_TIME and STOP\_TIME have been submitted.