

# CMPRO Change Notice

## New Val. System Protocol Prevents Orphan Records

### Overview

A new process for selecting a system on selected CMPRO screens will prevent a user from choosing a system that does not already exist as a “stand-alone” in Val. Systems. In this context, by “stand-alone” we simply mean a system record that holds no value in its **Subsystem** field). In this way, orphan records will no longer be an undesired consequence of such an action. Details describing how this situation used to occur are included below, along with how PSA is addressing this situation moving forward.

### Details

There are two different pathways to relate systems to a record in CMPRO: in some cases, a system / subsystem combination is available, while in others only a system can be related because the selection of a subsystem is unavailable. In the past, this second option has made it possible for a user to select a system from a list of values (LOV) that was not necessarily a valid entry in CMPRO. This situation arises in the following manner:

- A system / subsystem is created by an administrator in Val. Systems: (for our example, we'll use AIRFOIL as the system and GLIDER as the subsystem).

Note that a record for AIRFOIL only, with no subsystem included, *was not* created in CMPRO.

- At some point, a user accessing CMPRO has the option to relate a system only on a CMPRO record. The LOV for the **System** field on that record's detail screen currently permits the AIRFOIL system to be selected. If the user selects that item from the LOV, it is at this point that an orphan record is created.

Using this same example, it will be necessary in the near future for the AIRFOIL record, with an unpopulated **Subsystem** field, to already exist in Val. Systems in order to show up on a record's detail screen in the system LOV list we mention above.

As part of this change, PSA has conducted a review of customer systems to discover all situations where:

- A system / subsystem combination exists, but...
- There is no record using the same system that has an empty value in the **Subsystem** field.

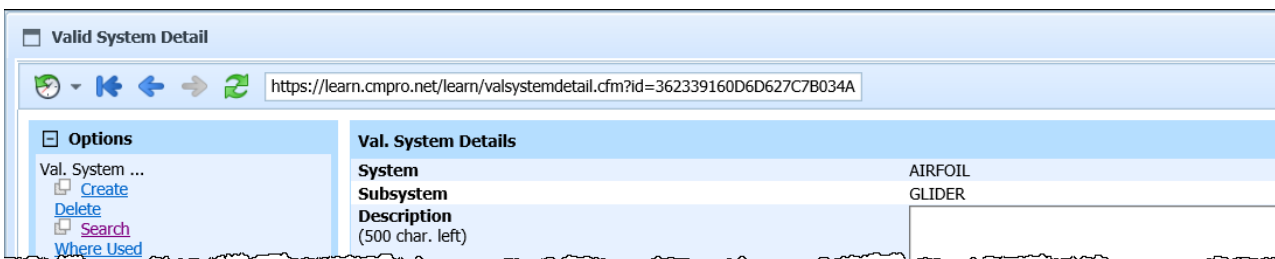
In such cases, we have performed a backfill to create the necessary Val. Systems records. Each backfilled record has been linked to the same program record that was defined in the System / Subsystem on which the backfilled record was based. This remedy should result in no loss of ability for selecting the same systems sites have been accustomed to selecting up until now.

However, this change also means that sites will be responsible for creating any new “stand-alone” Val. System records ahead of time in order to be able to select them from system LOV lists. In this manner, there should be no new occurrences of orphan records.

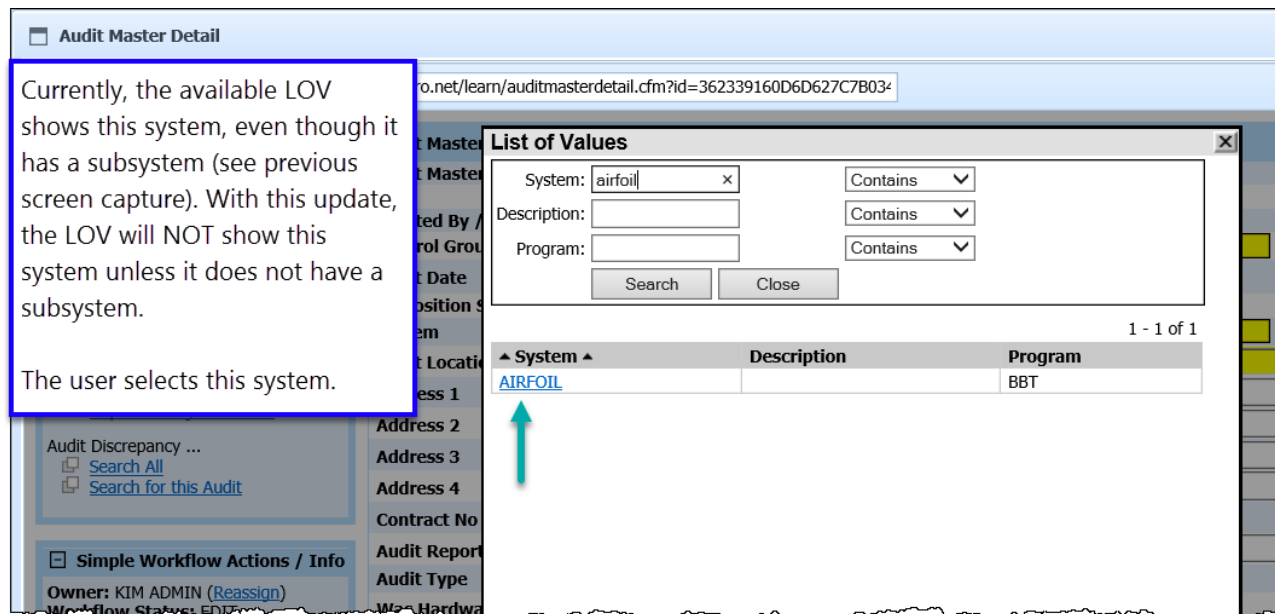
## Availability

The changes described herein will be available with the release of C-BN-0116.

## Screen Captures and Elements



*Val. System Detail Screen shows System and Subsystem*



*Detail Screen shows LOV that includes System*

Related Programs / Systems Worksheet

https://learn.cmprow.net/learn/relsyssews.cfm?id=332C22175E2127222257447B7D6

Return to AUDIT MASTER - AM-2017-0004 • Add System • Add Multiple Systems • Multi-Add WF Docs to Rel. Systems

Displaying records 1 to 1

Save \*\*\* REM

Select All • Clear All

Del	Program	System	Subsystem
<input type="checkbox"/>	No value	AIRFOIL	

500 char. left

Save

This same record's *Related Programs / Systems Worksheet* shows the selected system. As shown, there is no associated Program. For this reason, the related system is considered an orphan record.

**Related Programs / Systems shows System with no Program (Orphan record)**