

**CR Number:** 4640

**External Reference:** SAFER CR 2555

**Category:** XML transaction processing time is too long-change the file size

**Component:** SAFER/CVIEW

**Synopsis:** NE reports that it takes approximately 12-15 hours to process baseline XML transaction files due to XML tag overhead.

Summary: During discussion at the March ACCB meeting, states and Volpe suggested several alternatives for alleviating some of the transaction processing time problems.

Proposal: Recommend that FMCSA support further investigation by the developers into methods to alleviate the processing burden of exchanging data between SAFER and state CVIEWs.

**Status:** Closed Fixed

**Disposition:** [2006-10-19] Closed. Fixed per SAFER 5.1.

**Description:** During the March ACCB meeting, several comments were made as to the time it takes to process XML transactions. CR 2555 (Change the file size limit) was incorporated into this new CR.

State comments:

- XML tag overhead is hideous, carrying a lot of XML tags. Why not use on-demand on-call into the host system and not transport these files?

- Need a method of sending and receiving data so that files are not so big and rebaselining does not occur so frequently.

Volpe comments:

- SAFETYNET still uses flat files, but they will be phased out. FMCSA supports XML, not flat files.

- Suggest sending transactions as update instead of a refresh - only send fields that have changed instead of the whole record.

- Suggest that states filter out the records they don't want by using the subscription method.

[2006-04-25] Presented at the 4/20/2006 ACCB meeting.

The CR will be posted to the CVISN System Architects listserv for 30-day review and comment period. The creation of this CR was an action item from the previous ACCB meeting discussion. CR 2555 was linked to this CR in StarTeam as one of the possible solutions to alleviate the processing burden for CVIEWs. One state brought up the fact that CR2555 was completely different from this CR and suggested that the two CRs should be posted separately. APL explained that they were linked together, not incorporated as one, because both had to do with processing transactions.

[2006-05-26] Discussed at the 5/18/06 ACCB meeting.

The ACCB approved the recommendation that FMCSA support further investigation by the developers into methods to alleviate the processing burden of exchanging data between SAFER and state CVIEWs.

[2006-10-19] Status reported at the 10/19/06 ACCB meeting.

NE will report later this year as to whether this issue has been resolved by the implementation of the subscription capability (Architecture CR 2412 - SAFER CR 10) in SAFER 5.1.

[2006-12-18] Discussed at the 12/14/06 ACCB meeting.  
Nebraska has tested the subscription capability but will wait until early 2007 to implement it. They will report back in February as to whether the subscription capability relieves the processing problems.

**Fix:** New subscription capability implemented.

**Comment:**

**Attachment  
names:**

**Responsibility:** Magnusson Nancy C

**Modified Time:** 12/18/2006 8:50:54 AM

**Modified By:** Magnusson Nancy C

**Entered On:** 4/10/2006 5:24:21 PM

**Entered By:** Roberts Onna Beth

**Severity:** Medium

**Priority:** No

**Type:** Suggestion

**Closed On:** 12/11/2006 8:28:09 AM