DMC-S1000DGUN-0000-00-00-00-00A-022A-D

Issue 4.0 BREX

Phun Gun - Business rules exchange data module

Total rules	65	Issue # / In-Work #:	001 / 00	Responsible Partner Company (Enterprise Code):
Total @allowedObjectFlag	57	Language / Country:	en / US	US Army Materiel Command (AMC) Logistics Support Activity (1L6T4)
Total rules w/minimum of 1 value	8	Issue Date (YYYY-MM-DD):	2011-09-15	Originator (Enterprise Code): BTAS COE (07GB6)
Possible validations	65	Issue Type: new	Security: Unclassified	

BREX DM Reference:　DMC-USARMY-0000-00-00-00-00A-022A-D　　(United States Army - Business rules exchange data module)

<u>Additional References</u>

External References -

1. MIL-STD-3031A (Army Business Rules For S1000D: International Specification For Technical Publications Utilizing A Common Source Data Base) [Digital-PDF]
2. TABLE C-I (Information generation) [Digital-XLS]
3. TABLE C-II (Authoring) [Digital-XLS]
4. TABLE C-III (Identifiaction and status) [Digital-XLS]
5. TABLE C-IV (Common constructs) [Digital-XLS]
6. TABLE C-V (Content section, schema specific) [Digital-XLS]
7. TABLE C-VI (Applicability, attribute valuess, and training) [Digital-XLS]
8. TABLE C-VII (CSDB, DMC, ICN, and DM lists) [Digital-XLS]
9. TABLE C-VIII (Comment, version control and interchange) [Digital-XLS]
10. TABLE C-IX (PM, BREX, and information management) [Digital-XLS]
11. TABLE C-X (Content) [Digital-XLS]
12. TABLE C-XI (Page-based presentation) [Digital-XLS]
13. TABLE C-XII (IETP presentation) [Digital-XLS]
14. TABLE C-XIII (Information processing) [Digital-XLS]
15. TABLE C-XIV (SNS and information codes) [Digital-XLS]
16. AMC-P 25-31 (Preparation of Plans For Technical Publication Verification) [Digital-PDF]

SNS Rules			
#	Code	Description	Title
1.	00	System	Phun Gun
	A	SubSystem	Body Casing
	A	SubSubSystem	Receiver Assembly
	B	SubSubSystem	Barrel Assembly
	C	SubSubSystem	Trigger Assembly
	D	SubSubSystem	Belt Assembly
	E	SubSubSystem	Slide Assembly
	F	SubSubSystem	Hammer Assembly
	G	SubSubSystem	Safety Plate
	H	SubSubSystem	Safety Plate Release Button

Structure Object Rules			
#	Path	Use	Value
1.	**Values are restricted:** //@securityClassification	ERROR - Value out of range: (Prohibited inclusion of @securityClassification value other than '01') Gun project has no classified data and shall not use code words. (MIL-STD-3031 #5.9.2.2, #5.59.1.29, and #5.73.2.6)	**Single Value:** 01, Unclassified
2.	**Required use of:** //qualityAssurance/firstVerification [@verificationType="tabtop"]	ERROR - Rule violated: (The required element /firstVerification/ attribute verificationType value must be 'tabtop'.) First verification shall be a desktop (tabtop) validation. (MIL-STD-3031 #5.10.2.2)	
3.	**Prohibited use of:** //@applicRefId	ERROR - Rule Violated: (Prohibited inclusion of attribute applicRefId.) Phun Gun has no applicability requirements and shall not use this structure. (MIL-STD-3031 #5.10.2.7, #5.19.2.9, #5.19.2.24, #5.19.2.27, #5.20.2.8,	

		#5.23.2.2, #5.25.2.2, #5.26.2.1, and #5.37.2.14)	
4.	**Required use of:** //language [attribute::languageIsoCode="en"]	ERROR - Rule violated: (Within the element /language/, the attribute languageIsoCode includes a value other than "en" (English).) Only American English shall be used. (MIL-STD-3031 #5.11.2.1)	
5.	**Prohibited use of:** //multimedia	ERROR - Rule violated: (Prohibited inclusion of element /multimedia/.) No multimedia technologies shall be incorporated as this is page-based only. (MIL-STD-3031 #5.12.2.2, #5.16.2.1, #5.151.2.1, #5.151.2.2, #5.151.2.3, #5.151.2.4, and #5.154.2.3)	
6.	**Prohibited use of:** //foldout	ERROR - Rule violated: (Prohibited inclusion of element /foldout/.) Foldouts shall not be used. (MIL-STD-3031 #5.13.2.1, #5.25.2.1, #5.26.2.3, #5.140.3.2.1, #5.40.5.2, and #5.141.3.2.1 - #5.141.5.2)	
7.	**Prohibited use of:** //warningsAndCautions	ERROR - Rule Violated: (Prohibited inclusion of the element /warningsAndCautions/.) Warning and caution collections shall not be used. (MIL-STD-3031 #5.17.2.4)	
8.	**Values are restricted:** //@enterpriseCode	ERROR - Value out of range: (Verify allowed CAGE for attribute enterpriseCode.) Allowed responsible partner company and originator CAGE codes. (MIL-STD-3031 #5.19.2.6 and #5.19.2.7)	**Single Value:** 07GB6, BTAS COE **Single Value:** 1L6T4, Army Material Command (AMC) Logistics Support Activity (LOGSA)
9.	**Prohibited use of:** //dmStatus[systemBreakdownCode | functionalItemRef | functionalItemCode]	ERROR - Rule Violated: (Prohibited inclusion of element /systemBreakdownCode/, /functionalItemRef/, or /functionalItemCode/.) Use of the elements /systemBreakdownCode/, /functionalItemRef/, /functionalItemCode/, and children shall be prohibited. (MIL-STD-3031 #5.19.2.16 - #5.19.2.18)	
10.	**Prohibited use of:** //dmStatus/skillLevel	ERROR - Rule Violated: (Prohibited inclusion of the element /skillLevel/.) The use of the element /skillLevel/ in IDSTATUS is prohibited. (MIL-STD-3031 #5.19.2.19)	
11.	**Prohibited use of:** //dmStatus/productSafety	ERROR - Rule Violated: (Prohibited inclusion of the element /productSafety/.) The element /productSafety/ shall not be used. (MIL-STD-3031 #5.19.2.23 and #5.19.2.24)	
12.	**Values are restricted:** //reasonForUpdate/@id	ERROR - Rule violated: (The value for attribute id on element /reasonForUpdate/ does not meet the required pattern.) The format for reason for update shall follow the pattern "rfu-001." "rfu-002," etc. (MIL-STD-3031 #5.20.2.4)	**Pattern:** rfu-\d{3}, RFU identification ("rfu-" with 3 digits)
13.	**Prohibited use of:** //changeInline[@id]	ERROR - Rule Violated: (Prohibited inclusion of the attribute id on element /changeInline/.) The attribute id on the element /changeInline/ shall not be used. (MIL-STD-3031 #5.20.2.9)	
14.	**Prohibited use of:** //internalRef/@targetTitle	ERROR - Rule Violated: (Prohibited inclusion of attribute targetTitle on element /internalRef/.) The attribute targetTitle shall not be used. (MIL-STD-3031 #5.21.2.4)	
15.	**Prohibited use of:** //internalRef[text()]	ERROR - Rule Violated: (Prohibited inclusion of content within element /internalRef/.) Other than attributes and their values, no content shall be allowed within the element /internalRef/. (MIL-STD-3031 #5.21.2.7)	
16.	**Prohibited use of:** //randomList[@listItemPrefix="pf01"]	ERROR - Rule Violated: (Prohibited inclusion of the value pf01 [simple] for random lists.) Simple lists shall not be	

		used. (MIL-STD-3031 #5.22.2.2)	
17.	**Prohibited use of:** //figure/graphic[descendant-or-self::hotspot and not (ancestor::illustratedPartsCatalog)]	ERROR - Rule Violated: (Prohibited inclusion of element /hotspot/ outside of the IPD data module.) The use of hotspots shall be limited to IPD only. (MIL-STD-3031 #5.27.2.1 and #5.37.2.29)	
18.	**Prohibited use of:** //productionMaintData	ERROR - Rule Violated: (Prohibited inclusion of element /productionMaintData/.) The element /productionMaintData/ shall not be used. (MIL-STD-3031 #3.28.2.1)	
19.	**Prohibited use of:** //thresholdInterval	ERROR - Rule Violated: (Prohibited inclusion of element /thresholdInterval/.) The element /thresholdInterval/ shall not be used. (MIL-STD-3031 #5.28.2.2 and #5.29.2.13)	
20.	**Prohibited use of:** //zoneRef	ERROR - Rule Violated: (Prohibited inclusion of element /zoneRef/.) The element /zoneRef/ shall not be used. (MIL-STD-3031 #5.28.2.3, #5.29.2.13, #5.54.2.7, and #5.54.2.14)	
21.	**Prohibited use of:** //accessPointRef	ERROR - Rule Violated: (Prohibited inclusion of element /accessPointRef/.) The element /accessPointRef/ shall not be used. (MIL-STD-3031 #5.28.2.4 and #5.29.2.13)	
22.	**Prohibited use of:** //@lsarData	ERROR - Rule Violated: (Prohibited inclusion of attribute lsarData.) The attribute lsarData shall not be used. (MIL-STD-3031 #5.28.2.5)	
23.	**Prohibited use of:** //workArea and not (//dmIdent/dmCode/@infoCode = "870")	ERROR - Rule Violated: (Prohibited inclusion of element /workArea/.) The element /workArea/ shall be used for the Checking unpacked equipment DM. (MIL-STD-3031 #3.28.2.6)	
24.	**Values are restricted:** //@personCategoryCode	ERROR - Value out of range: (Inclusion of an invalid code, verify the value of attribute personCategoryCode.) The values for the attribute personCategoryCode shall be limited to "Operator," "Maintainer," "Technical Inspector," "Supervisor," and "Safety Person." (MIL-STD-3031 #5.28.2.9)	**Single Value:** Operator **Single Value:** Maintainer **Single Value:** Safety Person **Single Value:** Supervisor **Single Value:** Technical Inspector
25.	**Values are restricted:** //trade	ERROR - Value out of range: (Inclusion of an invalid code, verify the value of element /trade/.) The element /trade/ shall be used and populated with the appropriate MOS trade codes. Trades codes shall be limited to 91F, 91K, and 92Y. (MIL-STD-3031 #5.28.2.10)	**Single Value:** 91F, Small Arms/Artillery Repairer **Single Value:** 91K, Armament Repairer **Single Value:** 92Y, Unit Supply Specialist
26.	**Prohibited use of:** //supplyDescr[not(@id)]	ERROR - Rule Violated: (Prohibited exclusion of the required attribute id on element /supplyDescr/.) The use of the attribute id on /supplyDescr/ is required. (MIL-STD-3031 #5.28.2.16)	
27.	**Prohibited use of:** //reqTechInfo	ERROR - Rule violated: (Prohibited inclusion of the element /reqTechInfo/.) The element /reqTechInfo/ shall not be used. All schematics that are used shall be part of the tech manual. (MIL-STD-3031 #5.28.2.11 and #5.28.2.12)	
28.	**Prohibited use of:** //spareDescr[not(@id)]	ERROR - Rule Violated: (Prohibited exclusion of the required attribute id on element /spareDescr/.) The use of the attribute id on /spareDescr/ is required. (MIL-STD-3031 #5.28.2.18)	
29.	**Values are restricted:** //@quantityUnitOfMeasure	ERROR - Value out of range: (Prohibited inclusion of a value other than "in" for the attribute quantityUnitOfMeasure.) The attribute quantityUnitOfMeasure shall include the value "in" to represent inches. All measurements shall be in inches only. (MIL-STD-3031 #5.29.2.9 and #5.29.2.10)	**Single Value:** in, in (inches)
30.	**Prohibited use of:** //reqCondCircuitBreaker	ERROR - Rule Violated: (Prohibited inclusion of element /reqCondCircuitBreaker/.) The element /reqCondCircuitBreaker/ shall	

		not be used. (MIL-STD-3031 #5.29.2.11 and #5.29.2.12)	
31.	**Values are restricted:** //@footnoteMark	ERROR - Value out of range: (Prohibited inclusion of an unapproved value for attribute footnoteMark. The value "num" is the only approved value.) Superscript numbers shall be used as footnote markers. (MIL-STD-3031 #5.29.2.14)	**Single Value:** num, superscripted numbers
32.	**Prohibited use of:** //levelledPara[position()=1 and position() =last()]	WARNING - Manual verification required: (Check all levelledPara's for single occurrences. Verify the content is clear and does not require additional paragraphs.) A single subparagraph shall be allowed in descriptive data modules. (MIL-STD-3031 #5.32.2.1)	
33.	**Prohibited use of:** //procedure//*/@skillLevelcode	ERROR - Rule Violated: (Prohibited inclusion of the attribute skillLevelCode.) The attribute skillLevelCode shall not be used within procedural data modules. (MIL-STD-3031 #5.33.2.3)	
34.	**Prohibited use of:** //proceduralStep/proceduralStep/procedu ralStep/proceduralStep/proceduralStep/p roceduralStep	ERROR - Rule Violated: (Nested levels of the element /proceduralStep/ has been exceeded.) Step indenture shall be restricted to five levels. (MIL-STD-3031 #5.33.2.4)	
35.	**Prohibited use of:** //proceduralStep[position()=1 and position()=last()]	WARNING - Manual verification required: (Check all proceduralStep's for single occurrences. Verify the content is clear and does not require additional steps.) Single sub-steps shall be allowed. (MIL-STD-3031 #5.33.2.5)	
36.	**Prohibited use of:** //faultReporting	//faultIsolation	ERROR - Rule Violated: (Prohibited inclusion of element /faultReporting/ or the element /faultIsolation/.) The fault schema shall not be used. (MIL-STD-3031 #5.34.2.1-#5.34.2.3)	
37.	**Prohibited use of:** //isolationProcedure//*/@skillLevelCode	ERROR - Rule Violated: (Prohibited inclusion of attribute skillLevelCode within /isolationProcedure/.) The attribute skillLevelCode shall not be used. (MIL-STD-3031 #5.34.2.5)	
38.	**Prohibited use of:** //isolationProcedure//*/@independentCh eck	ERROR - Rule Violated: (Prohibited inclusion of the attribute independentCheck.) The attribute independentCheck shall not be used. (MIL-STD-3031 #5.34.2.6)	
39.	**Prohibited use of:** //maintPlanning//*/@skillLevelCode	ERROR - Rule Violated: (Prohibited inclusion of attribute skillLevelCode within /maintPlanning/.) The attribute skillLevelCode shall not be used. (MIL-STD-3031 #5.35.2.2)	
40.	**Prohibited use of:** //maintPlanning/commonInfo	ERROR - Rule Violated: (Prohibited inclusion of element /commonInfo/ within /maintPlanning/.) The element /commonInfo/ shall be prohibited in MAC. (MIL-STD-3031 #5.35.2.3)	
41.	**Prohibited use of:** //typeDesignation	ERROR - Rule Violated: (Prohibited inclusion of element /typeDesignation/.) The use of the element /typeDesignation/ shall be prohibited. (MIL-STD-3031 #5.35.2.4)	
42.	**Prohibited use of:** //crew	ERROR - Rule Violated: (Prohibited inclusion of element /crew/.) The crew schema shall not be used. (MIL-STD-3031 #5.36.2.1 - #5.36.2.5, #5.95.5.2.1 - #5.95.5.2.2, and #5.95.8.2.1)	
43.	**Prohibited use of:** //illustratedPartsCatalog	ERROR - Rule violated: (Prohibited inclusion of the element /illustratedPartsCatalog/.) The parts (IPD) schema shall not be used. (MIL-STD-3031 #5.37.2.1 - #5.37.2.29, #5.103.3, #5.103.4.2, #5.103.5.2.1, #5.103.10.2.1, #5.103.11.2, #5.103.12.2, #5.103.15.2, #5.103.16.2, #5.103.17.2, and #5.103.18.2.1)	
44.	**Prohibited use of:** //wiringData	ERROR - Rule violated: (Prohibited inclusion of the element /wiringData/.) The wiring schema shall not be used.	

		(MIL-STD-3031 #5.38.2.1, and #5.102.1.2.1 - #5.102.1.2.3)	
45.	**Prohibited use of:** //wiringFields	ERROR - Rule violated: (Prohibited inclusion of the element /wiringFields/.) The wiring schema shall not be used. (MIL-STD-3031 #5.38.2.1, and #5.102.1.2.1 - #5.102.1.2.3)	
46.	**Prohibited use of:** //process	ERROR - Rule violated: (Prohibited inclusion of the element /process/.) Gun project has no process data module requirements. The process schema shall not be used. (MIL-STD-3031 #5.39.2.1 - #5.39.2.12, #5.83.2.1 - #5.83.2.2)	
47.	**Prohibited use of:** //techRepository	ERROR - Rule violated: (Prohibited inclusion of the element /techRepository/.) Gun project has no technical information repository requirements. The schema shall not be used. (MIL-STD-3031 #5.29.2.15, #5.40.2.1 - #5.40.2.2, #5.41.2.1 - #5.41.2.6, #5.42.2.1 - #5.42.2.5, #5.43.2.1 - #5.43.2.9, #5.44.2.1 - #5.44.2.4, #5.45.2.1 - #5.45.2.4, #5.46.2.1 - #5.46.2.2, #5.47.2.1 - #5.47.2.3, #5.48.2.1 - #5.48.2.6, #5.49.2.1 - #5.49.2.6, #5.51.2.1 - #5.51.2.4, #5.86.2.2 - #5.86.2.5)	
48.	**Prohibited use of:** //container	ERROR - Rule violated: (Prohibited inclusion of the element /container/.) Gun project has no container data module requirements. The schema shall not be used. (MIL-STD-3031 #5.52.2.1 - #5.52.2.2, #5.88.2.1 - #5.88.2.3)	
49.	**Prohibited use of:** //learning	ERROR - Rule violated: (Prohibited inclusion of the element /learning/.) Gun project has no training data module requirements. The schema shall not be used. (MIL-STD-3031 #5.53.2.1 - #5.53.2.3, #5.61.2.1 - 5.61.2.3, and #5.154.2.5)	
50.	**Prohibited use of:** //checkListInfo/title	ERROR - Rule violated: (Prohibited inclusion of the element /title/, within the element /checkListInfo/.) The use of /title/ shall be prohibited in the checklist data module. (MIL-STD-3031 #5.43.2.5)	
51.	**Prohibited use of:** //checkListIntervals	ERROR - Rule violated: (Prohibited inclusion of the element /checkListIntervals/.) The use of /checkListIntervals/ shall not be allowed. (MIL-STD-3031 #5.43.2.6)	
52.	**Prohibited use of:** //checkListItem/equip	ERROR - Rule violated: (Prohibited inclusion of the element /equip/, within /checkListItem/.) The element /equip/ shall not be used. (MIL-STD-3031 #5.43.2.12)	
53.	**Prohibited use of:** //checkListItem[not(name)]	ERROR - Rule violated: (Prohibited exclusion of the element /name/, within /checkListItem/.) The use of the element /name/ within the element /checkListItem/ is required. (MIL-STD-3031 #5.43.2.13)	
54.	**Prohibited use of:** //displayText/simplePara	ERROR - Rule violated: (Prohibited inclusion of the element /simplePara/, within /displayText/.) The element /displayText/ shall be used to present the human readable applicability statement "ALL." (MIL-STD-3031 #5.44.2.2)	
55.	**Prohibited use of:** //referencedApplicGroup | //applicCrossRefTableRef	ERROR - Rule violated: (Prohibited inclusion of the element /referencedApplicGroup/ or the element /applicCrossRefTableRef/.) Gun project has no cross reference applicability requirements and shall not use the applicCrossRefTableRef structure. (MIL-STD-3031 #5.55.2.1 - #5.55.2.8)	
56.	**Prohibited use of:** //@applicDisplayClass	ERROR - Rule violated: (Prohibited inclusion of the attribute	

		applicDisplayClass.) The S1000D Gun Project has no applicability requirements. (MIL-STD-3031 #5.55.2.3)	
57.	**Prohibited use of:** //applicCrossRefTable	ERROR - Rule violated: (Prohibited inclusion of the element /applicCrossRefTable/.) Gun project has no cross reference applicability requirements and shall not use this structure. (MIL-STD-3031 #5.56.2.1 - #5.56.2.3)	
58.	**Prohibited use of:** //condCrossRefTable	ERROR - Rule violated: (Prohibited inclusion of the element /condCrossRefTable/.) Gun project has no cross reference applicability requirements and shall not use this structure. (MIL-STD-3031 #5.57.2.1 - #5.57.2.5)	
59.	**Prohibited use of:** //productCrossRefTable	ERROR - Rule violated: (Prohibited inclusion of the element /productCrossRefTable/.) Gun project has no cross reference applicability requirements and shall not use this structure. (MIL-STD-3031 #5.58.2.1 - #5.58.2.2)	
60.	**Values are restricted:** //dmIdent/dmCode/@modelIdentCode	ERROR - Value out of range: (Verify the value of attribute modelIdentCode.) The only permitted model identification code is "S1000DGUN." (MIL-STD-3031 #5.66.2.1 - 5.66.2.2 and #5.66.2.4 - 5.66.2.5)	**Single Value:** S1000DGUN, Phun Gun (MI for the Gun project and BREX)
61.	**Prohibited use of:** //dmIdent/dmCode [@itemLocationCode="T"]	ERROR - Rule violated: (The attribute itemLocationCode includes the prohibited value "T.") The ILC "T" shall not be used. (MIL-STD-3031 #5.72.2.1)	
62.	**Prohibited use of:** //dmlStatus/dmlRef	ERROR - Rule violated: (Prohibited inclusion of the element /dmlRef/.) The element /dmlRef/ shall not be used. (MIL-STD-3031 #5.74.2.4)	
63.	**Prohibited use of:** //dmEntry/dmRef/dmRefIdent/identExtension	ERROR - Rule violated: (Prohibited inclusion of the element /identExtension/.) The element /identExtension/ shall not be used in the DMRL. (MIL-STD-3031 #5.74.2.5)	
64.	**Prohibited use of:** //commentContent	ERROR - Rule violated: (Prohibited inclusion of the element /commentContent/.) The comment data module shall not be used. (MIL-STD-3031 #5.76.2.1 - #5.76.2.14)	
65.	**Prohibited use of:** //externalPubCode/@pubCodingScheme	ERROR - Rule Violated: (Prohibited inclusion of the attribute pubCodingScheme on element /externalPubCode/.) The inclusion of the attribute pubCodingScheme is prohibited. (MIL-STD-3031 #5.21.2.2)	