Required Fields

-HEADER-VERSION : F32 = 2019.0
-SPECIFICATION : Header String = C2MS
-DOMAIN1 : Header String
-DOMAIN2 : Header String
-MESSAGE-TYPE : Header String = {REQ, RESP, MSG}
-MESSAGE-SUBTYPE : Header String
-MISSION-ID : Header String
-CONSTELLATION-ID : Header String
-SAT-ID-PHYSICAL : Header String
-SAT-ID-LOGICAL : Header String
-FACILITY : Header String
-COMPONENT : Header String

Optional Fields

-MESSAGE-CLASS : Header String
-MSG-VERSION : String
-CLASS : Header String
-SUBCOMPONENT1 : Header String
-SUBCOMPONENT2 : Header String
-ROLE : I16
-DESTINATION-COMPONENT : Header String

Tracking Fields

-UNIQUE-ID : Header String
-PUBLISH-TIME : Time
-MW-INFO : String
-CONNECTION-ID : U32
-NODE : Header String
-PROCESS-ID : U32
-USER-NAME : Header String

Message Header

Table Error! No text of specified style in document.**-1.** **Message Header Additional Information**

Field Name	Value		Notes
HEADER-VERSION	2019		Version Number for this message description
SPECIFICATION	C2MS		Name of Specification Document used to define this header
DOMAIN1			Additional field to allow for more filtering
DOMAIN2			Additional field to allow for more filtering
MESSAGE-TYPE	**Value**	**Description**	Message type identifier: REQ, RESP, or MSG
	REQ	Request	
	RESP	Response	
	MSG	Message	
MESSAGE-SUBTYPE	See **Error! Reference source not found. Error! Reference source not found.**		Unique message subtype identifier, fixed for C2MS Standard Messages
MESSAGE-CLASS			Generic field for missions to classify their message set to aid message disposition.
MSG-VERSION			Version information for the message

Field Name	Value		Notes
UNIQUE-ID			Globally unique ID – reserved for use by implementation (PSM)
PUBLISH-TIME			Time the message was published - reserved for use by implementation (PSM)
MW-INFO			Container for information on the underlying middleware - reserved for use by implementation (PSM)
CONNECTION-ID			Unique ID for each connection per process. Reserved for use by implementation (PSM)
MISSION-ID			Unique mission name, e.g., MOONMAP, SUNSCAN, TEMPTRACK, etc.
CONSTELLATION-ID			Used for constellations or satellite groupings
SAT-ID-PHYSICAL			An ID for the satellite that is fixed for its mission life
SAT-ID-LOGICAL			An ID for a satellite or group of satellites that can change during its mission life (ex., a positional reference)
FACILITY			A physical source (i.e. ACS Lab, CandDH String, etc.) generating the message, e.g., spacecraft, remote site, etc.
NODE			Actual device (host) generating the message. Reserved for use by implementation (PSM)
PROCESS-ID			Application ID for onboard events or Process ID for ground events - reserved for use by implementation (PSM)
CLASS			See **Error! Reference source not found.**, **Error! Reference source not found.**.
COMPONENT			Name of software application, ex. APP1, CLIENT2, TAC3
SUBCOMPONENT1			First subsystem level within the component that produced the message
SUBCOMPONENT2			Second subsystem level within the component that produced the message
USER-NAME			Account name or owner of the account that started the component - reserved for use by implementation (PSM)
ROLE	**Value**	**Description**	Role the component is assigned in the configuration (Primary, Backup, Hot Backup, Secondary, Spare …). Roles are dependent on the operational concepts being employed in the configuration.
	1	Primary, Master	
	2	Secondary, Backup	
	3	Tertiary	
	…	Spare, …	
DESTINATION-COMPONENT			Intended recipient of the message (if any).

Table Error! No text of specified style in document.**-2.   Log Message Header Notes**

Field Name	Value	Notes
HEADER-VERSION	2019	Version Number for this message description
MESSAGE-TYPE	MSG	Message type identifier: REQ, RESP, or MSG
MESSAGE-SUBTYPE	LOG	Unique message identifier, fixed for C2MS Standard Messages
More … Please refer to	…	…

Message Header

Table **Error! No text of specified style in document.**-1 Message Header Additional Information for a complete definition.
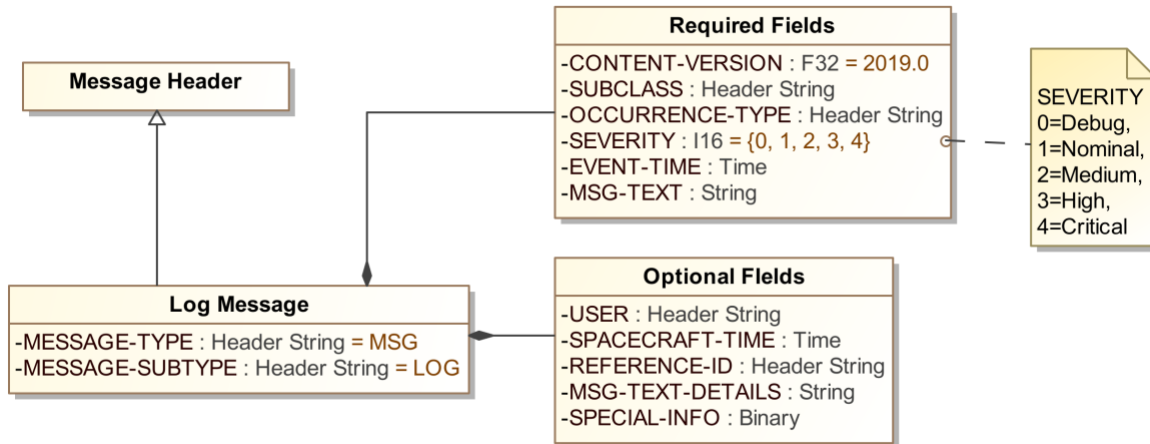
Message Header

Required Fields
-CONTENT-VERSION : F32 = 2019.0
-SUBCLASS : Header String
-OCCURRENCE-TYPE : Header String
-SEVERITY : I16 = {0, 1, 2, 3, 4}
-EVENT-TIME : Time
-MSG-TEXT : String

SEVERITY
0=Debug,
1=Nominal,
2=Medium,
3=High,
4=Critical

Log Message
-MESSAGE-TYPE : Header String = MSG
-MESSAGE-SUBTYPE : Header String = LOG

Optional Fields
-USER : Header String
-SPACECRAFT-TIME : Time
-REFERENCE-ID : Header String
-MSG-TEXT-DETAILS : String
-SPECIAL-INFO : Binary

Table Error! No text of specified style in document.**-3.   Log Message Additional Information**

Field Name	Value		Notes
CONTENT-VERSION	2019		Version Number for this message
SUBCLASS	See **Error! Reference source not found. Error! Reference source not found.**.		Subclass generating the log message (or applicable subsystem of which the log message belongs)
OCCURRENCE-TYPE	See tables in Section **Error! Reference source not found. Error! Reference source not found.**		An occurrence type that categorizes the kind of activity or event that happened, triggering the log message
SEVERITY	**Value**	**Description**	Indicates the severity of the Log Message. Scale traditionally applied to message based on requirements and characteristics of the component or ground system. The severity may be used to alert the operator in some way such as visual or audible notification. Debug is typically used by software developers
	0	Debug	
	1	Nominal	
	2	Medium	
	3	High	
	4	Critical	
USER			Which user/work position/proc the message has to do with
SPACECRAFT-TIME			Time event happened (may be earlier than actual posted time)
EVENT-TIME			Time event happened (may be earlier than published time)
REFERENCE-ID			A local index or map to a table of additional information
MSG-TEXT			Text for display (typically about 60 characters)
MSG-TEXT-DETAILS			One or more paragraphs that includes more detail. Suggested corrective action. Suggest specifying url in this field
SPECIAL-INFO			application use