

CR Number	Title	Date	Originator	Description	Need For Change	Alternatives	Comments
GSF_03-10_01	Support for ME70 sonars	11/8/2021	Sean Donovan, Leidos	Added GSF_SWATH_BATHY_SUBRECORD_ME70BO_SPECIFIC subrecord identifier. Added support for sonar under EM4 cases.	To add support in GSF for the ME70 multibeam systems	None	
GSF_03-10_02	STIG Remediation to address vulnerabilities	3/12/2024	Dwight Johnson, NAVO	Various changes to safe memory allocation and usage throughout the encoding and decoding processes	Improved Robustness	None	
GSF_03-10_03	Updates to KMALL ping level metadata	3/12/2024	Jonathon Beaudoin, Hydro Octave	Added new variables highVoltageLevelDB, sectorTrackingCorr_DB, and effectiveSignalLength_sec within the spare space of the gsKALLTxSector Struct. Added encoding and decoding logic for these values.	To support backscatter processing	None	
GSF_03-10_04	Resolved bug surrounding network transmission of range samples	3/12/2024	Jonathon Beaudoin, Hydro Octave	Missing hton call added to range sample processing	Bug Fix	None	
GSF_03-10_05	Added TVG DB to bathy ping structure	3/12/2024	Jonathon Beaudoin, Hydro Octave	Added new array variable TVG_DB to multibeam ping struct. Added encoding and decoding logic for this value.	To support backscatter processing	None	