Revision	Issued Date	Changes
10	Not separately	Removed the sensor error test when Z_Data exceeded large value. This removed
	issued	the potential for causing a spurious BIT 1 error, though this was not verified as an
		error mechanism.
		Added repeat function during resistance & inductance measurements, if an error is
		detected.
		Corrected errors in inductance measurement code.
11	9/10/19	Corrected minor errors in BIT 1 functionality.
		Adjusted resistance correction factor to reduce voltage sensitivity.
		Adjusted voltage, resistance and inductance thresholds.
12	12/10/19	Increased motor current limit slightly.
13	Mid October	Added BIT 2 functionality.
		Changed VOLTAGE_CONVERSION_FACTOR to improve accuracy of BIT 1 voltage
		measurement.
14	Not separately	Minor changes to BIT 2 functionality & thresholds.
	issued	Adjustments to Voltage, Resistance and Inductance thresholds.
15	31/10/19	Fixed BIT 2 overflow error.
16	1/11/19	Changed BIT 2 switch byte to 0xAA (was 0x01).
17	6/11/19	Added speed monitoring to BIT 2.
18	14/11/19	Changed current limit back to power supply current (pre 5.1 revision 33).
19	14/2/19	Prevented recursive BIT 1 while BIT 2 running.
		Reduced loop gain to 5.1 rev 31 level.
20	26/3/20	Loop gain increased to 14/16.
21	26/3/20	Loop gain increased to 16/16.
22	26/3/20	Loop gain reduced to 15/16.
23	4/8/20	Added In Fail mode, triggered by sensor failure. Drive is disabled until the CDB
		sends a system reset request.
		Corrected PHSM functionality.
24	23/11/20	Fix sync bug by adding command to normal command tree.
		Reviewed/modified error codes.
		Always disable drive in Preoperational mode.
		Added new "service" mode, to facilitate BIT, Lock & calibrate functions & modify
		state machine to suit.
		Prevent return to preoperational mode from normal mode.
		Don't allow modes of > 3 to be set.
25	2/12/20	Changed lower & upper voltage threshold to 23.5 and 34.5, respectively.
		Changed min. resistance threshold to 45.
		Increased BIT2 drive value to 26 decimal.
26	15/12/20	Modified code to allow OpMode to revert to PreOperational mode, with SSM
		message.
27	28/1/21	Corrected error in some mode transition responses
28	25/3/21	Reduced loop gain (back to revision 20 value)
29	30/3/21	Fixed bug when switching to op mode from preop mode. Made sure actual
	<u> </u>	position is copied to demand.
30	7/4/21	In preoperational mode, allow SSM to update demand variable (i.e. how it
04	4.414.65	used to be), even though the servo mode is now OFF.
31	14/4/21	Prevented SSM and SRM messages from modifying SlotStart, TimeOfSlot,
		NumberOfSlot, Position, and Average current filter variables in operational mode. Also, prevent changes in Target Position variable in preoperational
		mode from being actioned after switching to operational mode, until the first
		sync message is received.
32	14/4/21	Prevented flag registers from being modified in operational mode.
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33	16/4/21	SSM_TARGET_CODE disabled in operational mode.
34	17/4/21	Fixed bug in SSM to target position variable (not sending response)
35	20/4/21	Don't turn on servo loop in operational mode until sync command is sent