

Tele-PACK – S1942

<u>Revision</u>	<u>Change</u>	<u>Customer Release Note</u>
10.00.00	CN1467	Add support for Frequency Input card. Add Archive viewer. Add floating point board parameters. Add Comparison report to allow parameter alteration not via TelePack. Performance increase downloading over PSTN. Various fixes.
9.01.01	CN1416	Bug #233 PMMI Send Cache routines fail to report errors
9.01.00	CN1409	Bug #180 Repeated comms error dialog on LCD Reset with comms error. Bug #182 GSM Time to Remain Powered fault. Feature #183 Sleep during registration period. Feature #184 Request GSM registration period. Bug #185 Digital archive fault. Feature #190 Add S255 option on new file. Feature #192 Add S255 to Comms Slot 0 Card Type. Bug #196 Battery Test Fault. Task #198 Update manual for S255
9.00.00	CN1405	Alarm inhibit function to enable individual alarms to be inhibited from archiving/dialling out when a configured raw input channel is true. Various fixes.
8.02.00	CN1402	Issue #69 - Build with correct sub_mast.psi. Issue #70 – Replace manual with combined user / training manual. Issue #71 – Convert all CSE-Seprol references to CSE-Servelec.
8.01.00	CN1401	Issue #59 - Problem with digins when Ethernet reset. Issue #61 - Primary RBE Comms Failed Flag clearance fault. Issue #62 - GSM Register screen fault. Issue #63 - Comms errors between PC and RTU
8.00.00	CN1400	Extra submaster comms fail flags. Ability to add more than one level alarm processor to MFI channels. GSM ultra low power mode. TSP fallback from Ethernet to PSTN (Only with 5.32 Exec). Remote comms boards with specified number of bits instead of just words. Several bug fixes - see issue list.
7.00.00	CN1393	1. To enable the “number of seconds before the wake boundary” to be configurable via TelePACK. This enables the RTU to wake up earlier if extra processing is required prior to the archive boundary. 2. Maximum and Minimum analogue archives did not record –ve values. This has now been fixed
6.07.00	CN1389	1. Primary and Secondary dial up communications failure timers now increment correctly while the RTU is in sleep mode. The RTU calculates how long it was asleep and adds the number of minutes to the relevant failure timer. Before the mod the comms failure timers were not incremented while the RTU was asleep and when it woke up it did not calculate the time the RTU had been asleep. Therefore with an RTU sleep waking every 15 minutes with no contact with SCOPE it would have taken approx. 15 days to annunciate a comms failure. 2. The RTU software was modified so that the RTU will not go to sleep if it is in the process of requesting the internal GSM registration status and signal strength. It will also not go to sleep if the internal GSM modem is not switched on. 3. LCD screen used to freeze if the Housekeeping alarms page was selected when no HK alarms were present. Now fixed 4. Satellite comms timeout increased from 20 to 30 seconds.
6.06.00	CN1386	GSM registration status monitored every hour and if found to be deregistered power cycle of GSM modem is performed. Count of number of times found de-registered is also recorded and displayed on LCD GSM status page.
6.05.00	CN1384	RTU 1. Main.ser modified to exit the sub-programs control subroutine correctly when an analogue calibration has been requested. Fixes problem: After entering the Max value the outstation scans continuously. This does not always happen , but if you calibrate the same input twice it always

appears to happen.

2. Fix modification of MAINTENANCE mode word v13341 by RTU software thus causing a CRC error on config upload.

PC

1. Limit the minimum Wake Time to 15secs if Fast Wake is selected or 25secs if not.

2. Prevent selection of invalid MFI input pair configurations whereby Event Input types have to be contiguous from Pair A thru Pair C.

3. Set MFI default Pulse Duration 10us as per 5.07

6.04.00 CN1363

RTU

1. If a DI card is installed in slot 7, then the 1st DI channel changes state.

2. LCD screen locks up if a config is downloaded whilst AI calibration screen is displayed.

3. Analogue archives sometimes missing at Midnight.

4. MAI counters to be archived whilst the RTU is in sleep mode if configured instead of analogue values.

5. Analogue archives sometimes are missed when MAI cards are being used.

6. Ethernet Card power to be cycled after comms failure.

7. RTU continuously dials out on CRC Fault

8. If RTU configured for Primary and Secondary dial up ports, the secondary link failure flag can get set at the same time as the primary link failure flag is set.

9. If a standard DI card is configured with PIs or TBRs the values V1351 – V1478 clash with some of the AI values in the same range.

10. Sleep RTUs using PSTN can go to sleep with outstanding alarms that have not been reported.

11. MFI Rain Gauge config is lost after complete power failure.

12. Modification removed to stop the RTU dialling out until it is registered. This stopped the RTU from detecting a call failure due to not being registered and therefore the RTU would not cycle the power. The RTU now only tries to dial once the modem is powered on.

13. Modified to enable data on Day 16 of each month to be archived correctly at midnight

14. Modified to stop MAI and MFI DI data being archived twice (once by the card and once by the RTU) when being used in sleep mode

PC

1. Fix problems with address book names with leading/trailing spaces.

2. Add RTU on fallback link in config report.

3. Disallow non consecutive event input config on MFI card.

6.03.00

CN1342

Fix problems with RTU RBE functionality. Addition of RTU RTC set function in PC. Addition of V21 comms option for RTU port config.

6.02.00

CN1326

The value at which non TBR pulsed inputs on Multifunction Input Cards are cleared is now configurable using the Alarm Maximum field within TelePACK. Also the inputs can now have any number of decimal places attached, between 0 to 3. This used to be fixed at 1.

Therefore to configure a integrated total, select the decimal places to 0 and set the Alarm Maximum to 30000. This gives the maximum total available.

If a TBR is attached to a counter then the decimal places is forced to 1.

5.07.00

CN1312

The value at which non TBR pulsed inputs on Multifunction Input Cards are cleared is now configurable using the Alarm Maximum field within TelePACK. Also the inputs can now have any number of decimal places attached, between 0 to 3. This used to be fixed at 1.

Therefore to configure a integrated total, select the decimal places to 0 and set the Alarm Maximum to 30000. This gives the maximum total available.

If a TBR is attached to a counter then the decimal places is forced to 1.

5.06.00

CN1302

Fix calibration limits so no run time errors are produced.

Fix annotation load on faststart.

Note Telepack version numbers have added minor rev. MM.NN.XX where MM.NN always reflects the Telepack RTU version number. XX is incremented when ONLY Telepack PC changes.

5.05.00

CN1300

Fix LCD display of analogues with scaled offset on channels other than 0.

Fix copy/paste channel parameters on derived/remote boards.

Note Telepack version numbers have added minor rev. MM.NN.XX where MM.NN always reflects the Telepack RTU version number. XX is incremented when ONLY Telepack PC changes.

- 5.04.03 CN1294 Fix SercalAppResource incorrect making Sercal application incorrect and failing to run on RTU after download.
Rev 5.04.02 is invalid and should not be used.
- 5.04.02 CN1293 Fix SaveAs not copying User Programs to new name. Fix Level Processor direction config resetting when other level proc deleted.
- 5.04.01 CN1275 Prompt for RTU application update if necessary on config download.
Log RTU application update in config file - including username.
Log config file version upgrade in config file - including username.
Fix crash if pgm 16 present but not pgm 15. This crash would have occurred if there were any gaps in the programs.
- 5.04 CN1274 Log RTU application update in config file - including username.
- 5.03 CN1273 Update TBR 24 hour and X hour totals on LCD on the hour to reflect value read at scope.
- 5.02 CN1272 Change to TBR software to update totals every 15mins containing the last 24 hours/configurable period worth of values to a resolution of 15mins. i.e. 24hour total contains the last 96 15 min values.
- 5.01 CN1271 Fix AI Calibration timing problem.
- 5.00 CN1269 The following enhancements included - Program download, User Programs, Derived IO, Analogue Differential Processor, Initialise RTU and Modem Init.
- 4.00 CN1266 Add submaster comms functionality.
- 3.23 CN1265 Modification to stop TBR SW from crashing in the event that the TBR Last Scan total is greater than the current total i.e. roll over has occurred.
- 3.22 CN1263 The following enhancements included - IO reports, Multifunction Input Card, Annotation, Remote Modem Comms, Analogue scaling fixed offset.
- 2.05 CN1222 Fix blank LCD screen on fleeting alarm.
- 2.04 CN1221 New program icon, Support for internal GSM modem added, Alarm dial out type added and fix for corrupt archive header.
- 2.03 CN1218 Sercal application changes:
Don't program eeprom word 0 TAP to prevent 64/128K Pspace issues.
Telepack changes:
Add Internal/External GSM Modem types. Not yet used in Sercal code.
- 2.02 CN1208 Add V34 Modem type, Allow to be compiled by Camway. Now has LCD emulator.
- 2.01 CN1185 Display LCD PSTN display on ports other than A.
- 2.00 CN1183 Allow floating point values for analogue scaling max & min values.
Version raised to 2.00 as config file is incompatible with previous version. A conversion is performed if a 1.xx file is loaded (from disk only).
- 1.06 CN1180 Display LCD alarm if Flash / RAM applications differ.
Unconditionally check analogue level alarms so they work correctly when connected to processors.
Fix digins missing in archive bug.
- 1.05 CN1166 Allow setting of Analogue output scaling parameters.

1.04

CN1159

Use Rev 1.5 of generic suite application. Add GSM port preset. Add Modbus Slave port preset. Add comm base port configuration. Fix access to help file.

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| 1.03 | CN1152 | Use Rev 1.4 of generic suite application that improves S250 support & adds GSM. |
| 1.02 | CN1140 | Prevent incorrect entry of number of Tel#.
Output pulse duration incorrectly labeled as msec. Relabeled to 1/100 seconds. Support 8 channel digin for S250.
Setup now defaults to Telepack instead of Generic Suite Config. Use Version 1.2 of Generic Suite sereal application. |
| 1.01 | CN1090 | Allow scaled ROC and RONC rate parameter to be set below scaled min. value. Initialise port config to AB not AC as most applications have a modem in port A. Allow proper data entry of floating point SpinEdit controls.
Make tab order of controls on some pages more logical. |
| 1.00 | ----- | First Release. |