| | F000 Internal states availbable externally | F001 Supervisory Station | F001.00 Error or failuire alarms | F001.01 Send work tasks | F001.02 Receive robot location | F001.03 Interact with wired | F001.04 Request and receive management data | F001.05 Keep track of completed tasks | F001.06 Controls start/stop of shift | F001.07 User I/O | F002 Wired Communication | F002.00 From Supervisory to Wireless | F002.01 From Wireless to Wired and back to Wireless | F002.02 From Wireless to Supervisory | F002.03 Ability to retransmit to Wireless or Supervisory | F002.04 Ability to retransmit from Wireless and Supervisory | F003 Wireless Communication | F003.00 Allow Tx, Rx between ceiling and robot | F003.01 Ability to communicate and bridge with wired | F003.02 Addressable (node and robot) | F003.03 Branch data with central control on robot | F003.04 Communication: robot - ceiling - robot | F003.05 Make location available to navigation | F003.06 Obtain current location from Navigation | F004 Navigation | F004.00 Accepts destination commands | F004.01 Postion from wireless, movements to wireless | F004.02 Decision on how to final from current | F004.03 Give motor control requests for movement | F004.04 Know map of mine | F004.05 Completed movements from motor control | F005 Motor Control | F005.00 Follow tape and steer | F005.01 Take requests from Navigation | F005.02 Issue control movements | F005.03 Pnaic Shutoff | F005.04 Bump Sensor | F005.05 Inform Navigation | F005.06 Determines speed of motors | F005.07 Respond if off tape | F006 Power Monitoring/Distribution | F006.00 Passively distribute | F006.01 Inform of low battery | F006.02 Current overdraw | F006.03 Low battery alram | F007 Sanity | F007.00 Sanity system | F008 Central Control | F008.00 Transmit and receive | F008.01 Issues mine assignments | F008.02 Control system restart | F008.03 Receive faults | F008.04 Communicate will all robot subsystems | F008.05 Handshake with sanity | F008.06 Manages shift status | F008.07 Manages superviosr commands | F008.08 Manages startup position reports |
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