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| Model Name: Example Listing | | |
| Name and affiliation of author or POC:  Chris Smith, MIT Lincoln Laboratory | Model Symbol: | Accreditation (TRL?):  Logging only |
| Date of Publication:  3/13/17 |
| Version Information:  1.0 |
| Model accessibility (open source, license, …):  Open source |
| Model Description and Theory of Operation:  This block provides a means to output system status data over UDP ethernet.  List of References:  N/A | | |
| Model Specifications:  The block broadcasts on port 7200. The start word is 0xAFAF. The following header data is output as UINT16s:  ProfileID  Time Stamp  NumOfWaveforms  NumOfRelays  NumOfBatteries  NumOfDieselGensets  NumOfNGCHPGensets  NumOfMotors  NumOfPVs  NumOfPF  NumOfMiscellaneousDataScales  NumOfMiscellaneousDataSignalScales  The subsequent data is populated from input buses. The next to last UINT16 is the stop word 0x5555. Followed by a checksum word.  Assumptions and Limitations  None | | |
| Interfacing Information (platform, input requirements, possible outputs):  Inputs buses:  Waveforms  Relay Data  BESS Data  Generators Data  Motors Data  PV Data  Power Factor Data  Miscellaneous Data  Outputs:  No Simulink outputs but Ethernet Hardware will stream the UDP data  Parameters:  none | | |
| Diagrammatic Representation of Model Internals:  N/A | | |
| Model Validation (technique used, evidence):  Used to output data for display during symposium. | | |
| Simulation Platform, Solvers:  Matlab 2013a with OpalRT. Data is output 5 times a second. | | |
| Known Issues:  None | | |
| Models which use this block:  Banshee during Symposium Demo | | |