HIT3047 Real-Time Programming

Slogger Notes

Supplement to comments in slogger.ads, read_log.ads

Introduction

- **Slogger is a light-weight logging system for MaRTE**
  - Saves log messages as text into memory_buffer device (like a RAM-drive)
  - On request dumps the memory_buffer to serial port
- **Read_log is a program to**
  - Read traffic from a serial line and write it to disk
  - Format & analyze the log into a form suitable for Excel

Architecture - 1

mprogram

Halls2 Io_Ports Your code

Send_Interrupt i

Send_Event W

Send_Event E/J

Flush;

Slogger

logger

memory_buffer

COM1: 57600 baud

```
COM1: 57600 baud  →  read_log.exe  →  Stdout report

                        ↓

                  slogger_data.txt

                        ↓

                    read_log.exe  →  analyzed_nn.csv
```

analyzed_nn.csv

Excel

Previously_
analyzed_.xls

analyzed_nn.xls

This has
- Log for
  debugging
- computed
  response times

Copy first line and
footers from a previous
xls file.

Add comments as
appropriate, especially
time/date, config,
observations