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# Online Selection Software Guide

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## Goal of this page

This page is intended to introduce the structure of the L1 and HLT software and algorithms, and familiarize the reader with a set of tools for trigger development and studies.

## Software documentation

### L1 Trigger design

- L1Trigger in the new Framework/EDM (CMSSW)

### High Level Trigger design

- SWGuideHighLevelTrigger in the new Framework/EDM (CMSSW) - SWGuideHLTGlobalObject
- L1seeds used in the HLT
- Partial reconstruction at HLT

### Tools for trigger development and studies

- How to run and study specific HLT triggers
- Time profiling tools
- Trigger list configuration
- Adding RawToDigi modules to your HLT path
- How to dump a trigger from ConfDB

### Trigger Monitoring

- L1 Online DQM
- HLT Online DQM
- Trigger Offline DQM
- Trigger MC Validation Software

### Useful links

- The OnSel group Twiki page
- Trigger Tables

### Review status

Reviewer/Editor and Date	Comments
ChristosLeonidopoulos - 12 Feb 2007	reorganized content between OnSel and SWGuideOnSel pages
KatiLassilaPerini - 05 Feb 2007	created page from the OnSel page

Responsible: ChristosLeonidopoulos

Last reviewed by: *never reviewed*

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