

## Description of Step7 TIA Project Files

These are the S7 – specific project files for the class-wide control system project.

<b><u>File Name</u></b>	<b><u>Description of File</u></b>
Code Guide S7 TIA Revn.doc	Siemens Step7 programming standards. MS-Word
Duplicating code S7 TIA Revn.doc	How to use Step7 with the library and sample project to construct the programs with a minimum of effort.
Info Between Controllers Revn.doc	Information passed between controllers. This document will need to be revised since only the soda ash processor is documented.
InTouch with S7 Revn.doc	Description of how to set up InTouch HMI communications with PLC and how screens should be set. Will need to be revised for your PLC's and/or HMI (if not InTouch)
Progs S7-1500\SodaAsh Sequences S7.xls	Soda Ash sequences.
Progs S7-1500\SodaAsh Memory and IO Layout S7.xls	Organization of data files for devices and I/O
Progs S7-1500\Soda_Ash_Printout.pdf	Listings of blocks and tags for Soda Ash Unit program
Progs S7-1500\Soda_Ash.zap18	Archived Soda Ash Unit program for S7-1500. Step7 Portal ver. 18.
Progs S7-1500\Soda_Ash_PLCTags.xlsx	Tag/address data base for SodaAsh program
Progs S7-1500\Samp_Seq_Printout.pdf	Listings of blocks and tags for Samp_Seq program
Progs S7-1500\Samp_Seq.zap18	Archived Sample unit program for S7-1500 processor. Step7 Portal ver. 18
Progs S7-1500\Samp_Seq_PLCTags.xlsx	Tag/address data base for Samp_Seq program Sample tag/address databases:
Progs S7-1500\C6100.xlsx	Conveyor
Progs S7-1500\C6100_Sim.xlsx	Conveyor, simulated I/O
Progs S7-1500\FIC1000.xlsx	PID loop
Progs S7-1500\FIC1000_Sim.xlsx	PID loop, simulated I/O
Progs S7-1500\G6000.xlsx	Slide gate
Progs S7-1500\G6000_Sim.xlsx	Slide gate, simulated I/O
Progs S7-1500\G6200.xlsx	Flop gate
Progs S7-1500\G6200_Sim.xlsx	Flop gate, simulated I/O
Progs S7-1500\L6100.xlsx	Motor
Progs S7-1500\L6100_Sim.xlsx	Motor, simulated I/O
Progs S7-1500\XV6001.xlsx	Valve
Progs S7-1500\XV6001_Sim.xlsx	Valve, simulated I/O

Library\Erickson.zal18

“Erickson” library of functions. Import into  
Step7 Portal V18+

Library\Erickson Listing\\*.pdf

Listings of FB and FC blocks, UDT’s and  
SCL sources for blocks in library