### iocsync30hz v3.0

## Introduction

The *iocsync30hz* program is part of the JTabs OTF (on-the-fly) screen initiative. It is a UNIX shell command-line program, available on *rhel-6-ia32*, *rhel-6-x86\_64, and rhel-7-x86\_64* Linux systems. When executed, *iocsync30hz* will generate an EDM screen displaying 30Hz synchronization status those iocs that have their CED property “sync30Hz” set to true.

OTFLauncher ioc iocsync30hz -h

Version 3.0; IOC 30Hz synchronization information

This application creates an EDM screen displaying

30Hz synchronization information for each applicable IOC.

The iocs are displayed in 30hz circuit order.

Fan out iocs are grouped with their parent ioc.

Usage: -file<opt> [-wrkspc<opt>] [-ced<opt>]

file; Output file (unless using OTFLauncher)

wrkspc; CED workspace

ced; CED deployment

## Description

The 30Hz signal for the timing of the BPM system. This signal travels from BPM ioc to BPM ioc in a series circuit around the accelerator. Some of these iocs also have associated “fanout” iocs. Fanout iocs are connected to, but not a part of, the 30Hz circuit through this parent ioc.

This screen is displayed in the order of the iocs making up the chain to help system experts easily identify where in the circuit the problem exists. Those iocs in the main circuit have an additional status indicator in the first column. Fanout iocs (if applicable) are grouped below their parent.

