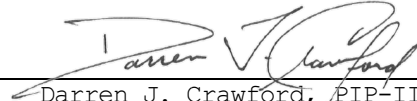



PROTON IMPROVEMENT PLAN II DIVISION PROCEDURE  
OPERATIONS  
P2DP-OP-0005

PIP2IT CONTROL ROOM COMMUNICATION WITH THE MCR

RESPONSIBLE DEPARTMENT: PIP-II Division

PREPARED BY:  DATE: 07/20/2020  
Darren J. Crawford, PIP-II Operations  
Coordinator

REVIEWED BY:  DATE: 07/21/2020  
Eduard Pozdeyev, PIP-II L3 Commissioning  
Manager

APPROVED BY:  DATE: 7/25/2020  
Lia Merminga, PIP-II Division Head

REVISION NO. 0 REVISION ISSUE DATE: 7/20/2020

Revision History

## Table of Contents

|     |                                  |   |
|-----|----------------------------------|---|
| 1.0 | PURPOSE AND SCOPE .....          | 3 |
| 2.0 | SHIFT COMMUNICATION .....        | 3 |
| 3.0 | KEYLOGGING AND KEY CONTROL ..... | 3 |
| 4.0 | DISTRIBUTION .....               | 3 |

#### 1.0 PURPOSE AND SCOPE

The following document outlines the Proton Improvement Plan II (PIP-II) Injector Test (PIP2IT) Control Room Qualified Accelerator Operator (QAO) communication protocol with the Main Control Room (MCR).

#### 2.0 SHIFT COMMUNICATION

Before starting PIP2IT beam operations, the designated QAO for the shift shall communicate with the MCR to inform them of scheduled beam operations and relay any other relevant information.

The QAO shall note these actions and other relevant information in the PIP2IT Elog.

In the event of an emergency, the QAO will disable the PIP2IT critical device controller (CDC) or disable the kill switch prior to evacuating the PIP2IT Control Room.

If a shift change occurs during PIP2IT beam operations, the new QAO shall notify the MCR. PIP2IT shifts are not necessarily concurrent with MCR shifts. More than one QAO may be on shift in the PIP2IT Control Room.

#### 3.0 KEYLOGGING AND KEY CONTROL

There is 1 remote key tree for accessing the PIP2IT enclosure. It is located just outside of the PIP2IT Control Room. Personnel wanting to access call the MCR and request access keys. MCR operators or the Duty Assistant release the remote key tree door, so the requester has access to the keys. The requester is issued an access key once training credentials are verified.

Keys must be returned to the key tree and turned to engage the safety system.

#### 4.0 DISTRIBUTION

An electronic copy of this procedure shall be made available through the PIP-II website (<http://pip2.fnal.gov/>) document database and a signed hard copy shall be maintained in the PIP2IT Control Room.