

Product Information Note

PlantCruise by Experion Procedural Operations



Interactive instructions vastly improve process operations by reducing the number of incidents related to improper execution of operating procedures and improve response to abnormal situations.

PlantCruise Procedural Operations

PlantCruise offers the Interactive Instructions feature for executing procedural operations. It delivers the following process operations benefits:

- Reduces incidents related to improper execution of operating procedures
- Improves operator response to abnormal conditions
- Drives consistent execution of operational best practices
- Improves operator productivity by shifting workload away from abnormal situations and toward effective monitoring and control
- Ensures safety by integrating operational procedures

Driving Operational Effectiveness and Consistent Procedure Execution

Processing plants today have varying degrees of process automation, from manual operations to automated control. The role of the operator in these environments can have a critical impact on safety, product quality, process throughput, and operating costs. In the case of automated processes, the operator's primary role may be monitoring the process, intervening only when necessary to address abnormal conditions. The operator also performs cyclic or planned activities that are both operator intensive and tightly coupled to process conditions. These activities include process startup/shutdowns, equipment changeover, grade changes, as well as bringing the process to intermediate safe operating states during process upsets. Often, procedures associated with these activities are infrequently executed and thus are dependent on the operator's experience and practices.

In the case of manual processes, the operator's primary role may be performing all processing tasks as well as managing systems where automation is incrementally added to address process bottlenecks, improve safety and increase throughput.

The PlantCruise Procedural Operations Interactive Instructions offering increases operator effectiveness for improved process consistency and adherence to best practices.

GRADE_CHG	Confirm	Description	Current	T
PRE_CHECKS		START_TRANS: START TRANSITION	15	
REDUCE_MELT	<input checked="" type="checkbox"/>	Notify Extruder Operator	0.8312742 M	
START_TRANS		Notify Extruder Operator of Transition		
TRANS_CMPLT		Set New Melt Flow		
		Set New Density Target		
	<input checked="" type="checkbox"/>	Divert Flow to Transition Storage		

Consistent Operational Environment for Procedure Execution

Reduce Incidents and Improve Process Operations

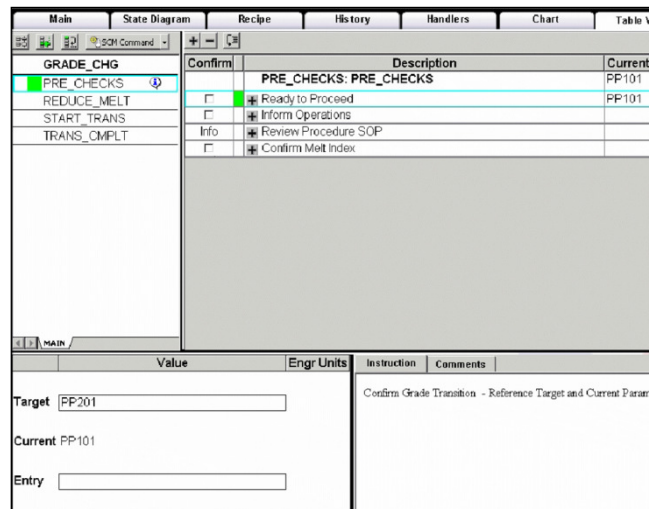
The execution of procedures can have a major impact on plant costs. A recent Abnormal Situation Management® (ASM) Consortium study found that up to 14% of plant incidents were related to improper execution of procedures resulting in one site losing over 2.5 million dollars per year. Today's operator is responsible for managing more equipment and performing a greater number of tasks than ever before.

Additionally, operator skill levels vary, with only the most skilled operators intuitively using best practices while following basic written procedures. Honeywell's Procedural Operations solution allows the operation's best practices to be captured, automated, and implemented quickly and consistently for safe, effective, and timely procedure execution.

Additionally, with procedures seamlessly combining manual and automated actions, operator workload at critical processing periods is reduced—enabling the operator to focus on other urgent tasks.

PlantCruise Has Best in Class Features for Procedural Operations

In today’s competitive environment, the role of the operator is expanding. The operating system needs to assist the operator in taking the right actions based on process conditions to ensure safe and effective procedure execution. In collaboration with the ASM Consortium and other industry partners, Honeywell developed the Procedural Operations solution to address the needs of today’s operator, including the Interactive Instructions offering.



Ensuring procedures are executed correctly and consistently

For More Information

To learn more about how PlantCruise by Experion can improve plant performance, visit our website www.honeywellprocess.com or contact your Honeywell account manager.

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