

## 8D PROBLEM SOLVING D5

### Purpose

To understand the content and intention of Stage 5 in the 8D Problem Solving method –

***Selection and verification of corrective actions***

### Background

The field information/failures described in Exercise D4 are to be solved through an 8D Problem solving method.

### Task

You are the team leader of the 8D Problem Solving Team and based on the information provided in exercise for D4, you are to select;

**Select and determine:**

1. Appropriate potential corrective actions
2. Appropriate corrective action test plan.

### Support

1. Root cause analysis results chosen from
2. Case information (page 2)

### Time:

## **CASE INFORMATION:**

The root cause analysis result from Exercise D4 has been completed with a further detailed analysis that indicates there are four root causes have been identified that when failing may lead to flickering SRS warning lights, but that both of them are connected to each other. These two main problems have been found through following completing studies performed;

1. Field test analysis performed 3 years ago at the C-sample stage indicated that ground connection cable, may cause SRS warning to light permanently when not appropriately connected.
2. During deep study of the assembly process it was identified that some new operators were not able to connect ground cable appropriately during the specified time.
3. Change of process setup from manual assembly of operation 20 to automatic assembly took place three months ago
4. Change of supplier for connector cable has been effected six months ago. Part number remained the same, but stock of components were found having ground connector cable delivered by two different suppliers.

## 8D PROBLEM SOLVING D6/D7

### Purpose

To understand the content and intention of Stage 6 and 7 in the 8D Problem Solving method –

***D6 Implementation and validation of corrective actions***

***D7 Prevention of reoccurrence***

### Background

Based on the performance of exercise D5 are to be solved through an 8D Problem solving method.

### Task

You are the team leader of the 8D Problem Solving Team and based on the information provided in exercise for D4, you are to select;

**Select and determine:**

1. Activities and methods for implementation and validation of corrective actions
2. Action for prevention of reoccurrence

### Support

1. Information from Exercise D4
2. Case information (page 2)

### Time:

## CASE INFORMATION:

Product	Failure	Operation	Root Cause	Corrective action	Implementation /Validation	Prevention
Ground connection cable	Poor Connection	N A	Inappropriate design for robust production	Design change of connector		
Ground connection cable	Poor Connection	15	Poor operator competence	1. Extended training 2. Assembly instruction update		
Ground connection cable	Poor Connection	20	Automatic assembly not robust for	Cycle time change		
Ground connection cable	Poor Connection	20	Poor supplier process capability	?		
Ground connection cable	Poor failure detection	50	Insufficient system for inspection	Increased inspection frequency		
Ground connection cable	Poor Connection	00	Inappropriate system for storage management	System change for storage management och FIFO control		

## 8D PROBLEM SOLVING D8

### Purpose

To understand the content and intention of Stage 8 in the 8D Problem Solving method

*D8 Conclusion and acknowledgement of the team's success*

### Background

Based on the performance of previous exercises you have now completed your 8D Problem Solving Task (Exercise) for the Steering wheel Column.

### Task

You are the team leader of the 8D Problem Solving Team. Together with your team you are now to complete the assessment evaluation and based on the results, you are to determine lessons learned actions for future 8D problem solving projects

### Support

1. **Assessment evaluation (Excel template or similar)**
2. **Case information from previous exercises.**

### Time: