

T-SAP Advisory: TSAP-15-004

[Print this page](#)**Status:** Active**Effective Date:** 11/09/2015**Facility Information**

NAS Category:	Equipment:	Locations:	Fac ID Code:
AUTOMATION	ARTS, EAS, OCC, SOC, STARS	Multiple	N/A

Event Information

Title: Impact of not Coordinating Sensor Maintenance

Problem: With the transition to a more efficient and effective NAS, more automation systems have the capability of multi-sensor inputs (not just STARS). The recognition that a failed sensor, or a sensor undergoing maintenance activities could introduce track anomalies, interference and/or false targets for display at an operational position is critical. Whether in multi-sensor or single-sensor mode, if a sensor other than the selected sensor sees the same target in a different location, the automation system starts another track and displays it. This results in false target/DUP BCN conditions.

Symptom: Track anomalies, interference and/or false targets

Solution: T-SAP has issued a Corrective Action Request (CAR) to the Office of Primary Responsibility (OPR) to address this issue. Depending on the automation system receiving the sensor data, different methods are available to ensure erroneous data is not processed. Multi-sensor automation systems have the capability to take a sensor(s) offline. When an Enroute or Terminal sensor feeding a multi-sensor automation system is released for maintenance, the input to the automation system from that facility could be disabled to avoid track anomalies, interference and/or false targets. Proper coordination with the end user will allow for the disabling of the sensor input to the automation system as appropriate. Technicians are encouraged to coordinate maintenance activities with the appropriate OCC/SOC to ensure proper notification of end users. Operations Control Centers (OCC) and System Operations Centers (SOC) are also encouraged to review the coordination lists for sensors feeding multi-sensor automation systems to ensure the coordination points are up to date so that proper coordination may occur.

Remarks: If you are an eligible T-SAP submitter and have additional information that pertains to the subject of this document, we encourage you to file your own T-SAP report. Information you possess may be unknown to the ERC and could augment existing reports. These additional reports may contain important safety information that allows us to identify trends and issues currently not perceived as systemic problems, or reveal a perspective that has not been considered.

POC Information	Email	Title	Phone
Technical POC1:	Joe.Walker@faa.gov 	AJW-137	202-267-3490
Technical POC2:	Lowen.Overby@faa.gov 	AJW-137	202-267-4088
Supply POC:			

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