



# Solution #60 — Enhanced Short Term Conflict Alert (STCA) for Terminal Manoeuvring Areas (TMAs)

Enhanced algorithms for a Short Term Conflict Alert (STCA) prototype ensures earlier warning and lower false and nuisance alert rates, supporting controllers in identifying possible conflicts for steady and manoeuvring aircraft, in comparison to existing STCA technology.

**Program** SESAR1

**Need for coordination** Local

**Related to** -

**Date V1 Gate** -

**Date V2 Gate** -

**Date V3 Gate** -

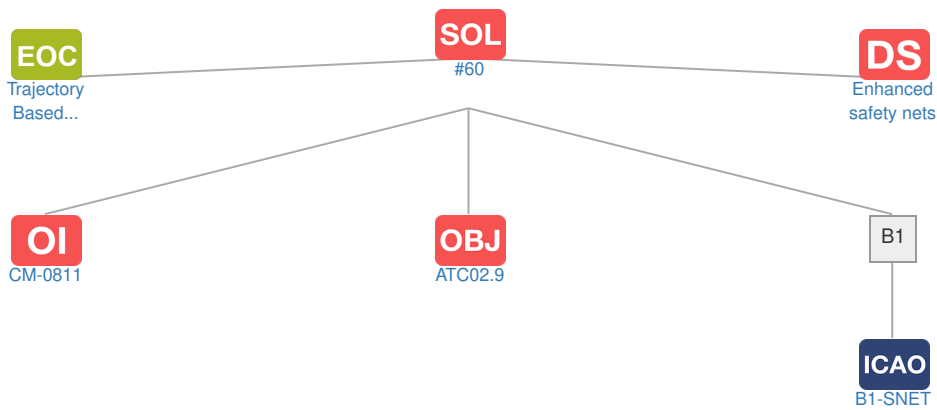
**Deployment Start Date** 31-12-2015


**Benefits Start Date (IOC)** 31-12-2017

**Full Benefit Date (FOC)** 31-12-2027

## Context

### Related Elements




 Operating Environments: No associated data

 Phases: No associated data

 SESAR Projects: No associated data

### Operational Improvement Steps / Enablers

| Code  | Dates | Solution Data Quality Index : - |    |    |           |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|-------|---------------------------------|----|----|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|   |       | 15                              | 16 | 17 | 18        | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #60   |       |                                 |    |    | IOC - FOC |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CM-0811   |       |                                 |    |    |           |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  APP ATC 136 | 4     | V5                              |    |    | IOC - FOC |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

 PCP Elements: No associated data

### Implementation Objectives

| Code    | Title                                     | Related Elements   |
|---------|---|--|
| ATC02.9 | Short Term Conflict Alert (STCA) for TMAs |    <br> |

### ICAO Block Modules

| Designator | Title                                | Related Elements  |
|------------|--------------------------------------|---|
| B1         |                                      |   |
| B1-SNET    | Ground-based Safety Nets on Approach |     |