C-STCA

COMSOFT SHORT TERM CONFLICT ALERT

C-STCA offers a new perspective on short term conflict alert by featuring a stochastic approach for conflict prediction, which optimises the trade-off between in-time prediction and nuisance alert rate.

Short term trajectory prediction based on surveillance data is a fundamental issue underlying safety nets. C-STCA addresses this problem by introducing a novel stochastic approach which models the uncertainty of trajectory and conflict prediction. This stochastic approach enables an optimal trade-off between in-time conflict prediction and nuisance alert rate.

In order to allow optimal tuning in heterogeneous and complex operation environments, the system

HIGHLIGHTS

- Innovative stochastic approach for conflict prediction
- Optimal trade-off between in-time conflict prediction and nuisance alert rate
- Extensively site-configurable, supporting all operational environments
- Support for different region types with own airspace profile
- Input and output supporting the ASTERIX standards
- Extensive information about nature, severity and uncertainty of conflicts

provides a deep insight into the nature, severity and uncertainty of conflicts.

finition of different region types describing specific airspace profiles. It is highly configurable and can be optimised for use in many different ATC environments.

The system can operate with any SDP and display system, in particular with those supporting the ASTERIX standards.



