

AMAN

Tern Arrival Manager

Tern Systems
Part of ISAVIA



Tern Systems Arrival Manager (AMAN)

System Overview

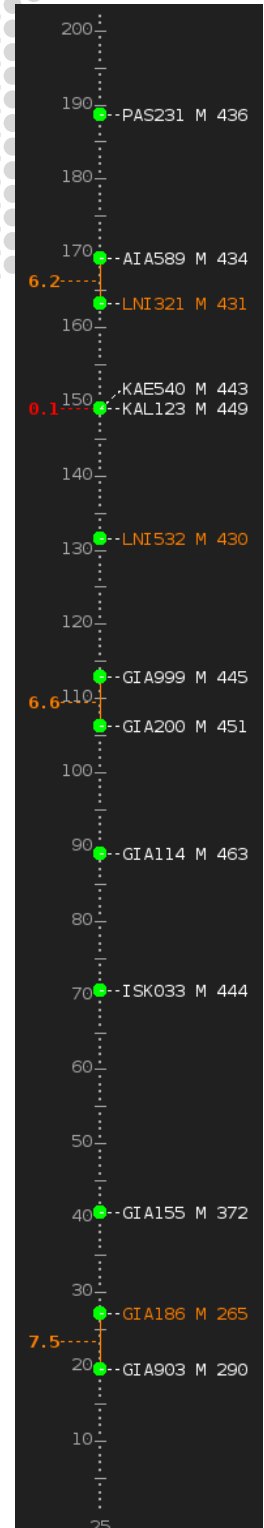
Tern's Arrival Manager (AMAN) aims to assist en-route, approach and tower controllers in planning and operating busy flows of arrival traffic by maximizing the dynamic, flexible and efficient use of airspace.

By decreasing air traffic controller workload and increasing situational awareness, the system contributes to optimal traffic flow whilst reducing environmental impact, such as noise and pollution. Operator costs are also reduced as the system assists in enabling the application of continuous descent profiles and reducing potential delays caused by holding.

The system projects air traffic on a linear distance axis from a runway or a point up to a distance limited by the flight data provided to it, thereby assisting the controller in optimizing the runway sequencing and airspace capacity, while taking aircraft performance factors such as Wake Turbulence Category information into consideration.

The controller is able to focus on any particular area of interest on the scale by dynamically zooming in/out on the scale.

The AMAN uses system target data from various sources to continuously update the flight's trajectory and provide the controllers with the most up to date information on the current and future traffic flow.



Features and benefits:

- Multi source tracking and fusion
- Easy modular integration into existing systems
- Added safety with wake turbulence adherence monitoring between aircraft
- Increased traffic situation awareness
- Reduced controller workload
- Increased airspace and runway capacity
- Improved coordination
- Enhanced services
- Easy configuration