Traffic Densities From TLAT LA2020 Traffic Scenario

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Purpose

- **Response to Action Item #4 and Action Item #40 of ASSAP WG.**

AI#4

Determine the minimum number of tracks ASSAP will be required to send to the CDTI. The MASPS specified the CDTI will support a minimum of 30 tracks

Based on ASA MASPS service volume requirements for Enhanced Visual Acquisition (10NM +/- 3500 ft, ref C.2.4), what will be the maximum number of targets this application needs to process?

AI#40

Randy said that there are 200 aircraft within 12 Nmi and +/- 4000' from the LA2020 scenario; the ASSAP group requested to know the distribution of aircraft types (Surface, Airborne, GA, etc.) for the 200 aircraft.

Traffic Distribution for 12 NM Range below 8000 ft.

- **Distributions of Aircraft and Ground Vehicles in LA2020 scenario within 12NM of center and below 8,000 ft. (worst case scenario of +/- 4,000 ft requirement)**
- **Statistical results are from 4 runs of TrafGen tool, which implements LA2020 scenario definition.**
- **These counts are slightly different from the originally reported count of 200 Aircraft which was for <4,000 ft (vs. < 8,000 ft).**

Stats	A0	A1L	A1H	A2	A3	Ground Vehicles	Ground A/C	Airborne A/C	Total
Min	18	32	7	10	29	100	75	41	216
Max	32	43	15	17	44	100	75	57	232
Average	26	39	10	13	37	100	75	49	224

* Please note, the LA2020 scenario was intended for use in a data link stress test simulation and does not model the future ground scenario accurately

APL