



County of San Diego

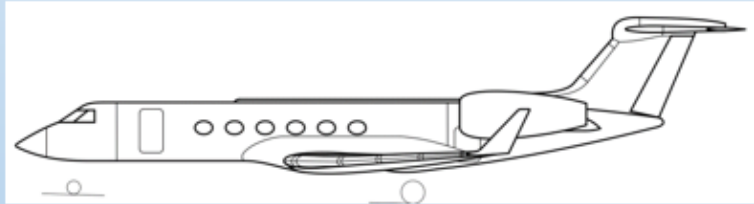
MCCLELLAN-PALOMAR AIRPORT BII vs DIII AIRPORT

Palomar Airport Advisory Committee (PAAC)

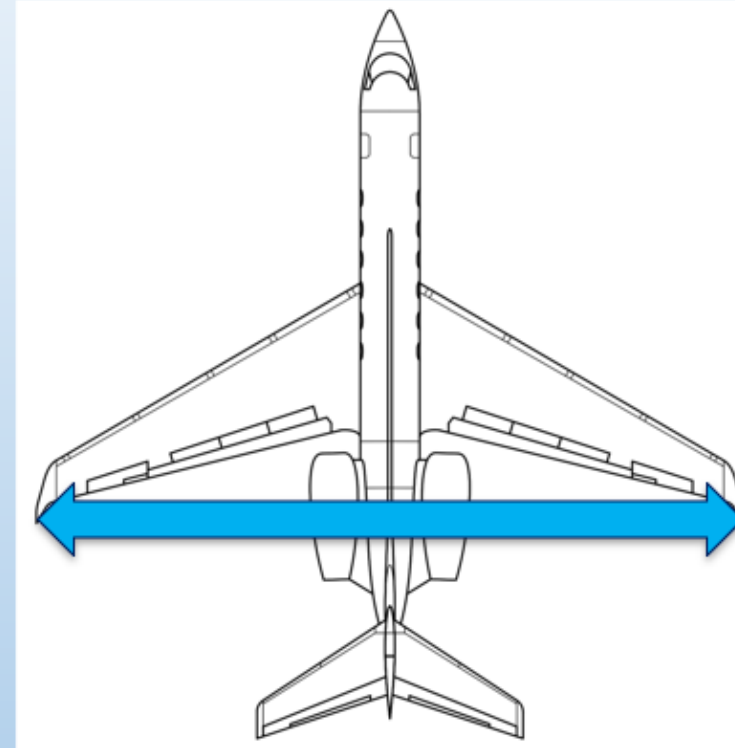
March 20, 2025

Item #8

Design Categories



Approach Speed
(Shown by a Letter)
A, B, C, D, E



Wingspan
(Shown by a Roman Numeral)
I, II, III, IV, V

Aircraft Design Criteria

Primary Characteristics:

- Approach Speed
- Wingspan
- Weight

Approach Speed:

Aircraft Approach Category	Approach Speed (knots)
A	Less than 91
B	91 to 120
C	121 to 140
D	141 to 165
E (military only)	166 or Greater


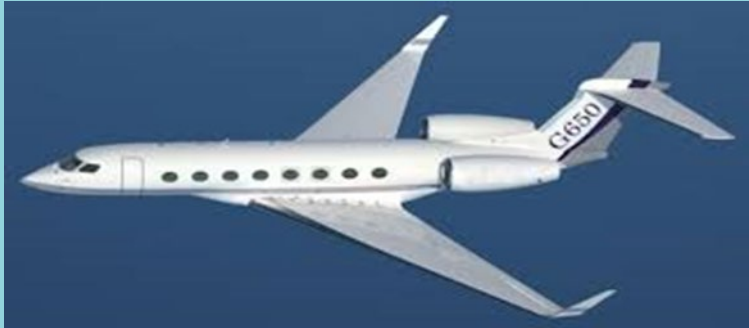
Evolving Capabilities:

- Quicker landing and takeoff ability
- Longer range
- Better fuel efficiency

Wingspan:

Airplane Design Group	Wingspan (feet)
I	Less than 49
II	49 to 78
III	79 to 117
IV	118 to 170
V	171 to 213
VI	214 up to but less than 262

Safety Standards Based On Design Aircraft

Palomar Design Aircraft	Approach Speed	Wingspan Width	Total Passengers	Design Category
<p>Falcon 2000 (1997)</p> 	107 Knots	63 feet	19	B-II
<p>Gulfstream 550/650 (2018)</p> 	145 Knots	100 feet	19	D-III

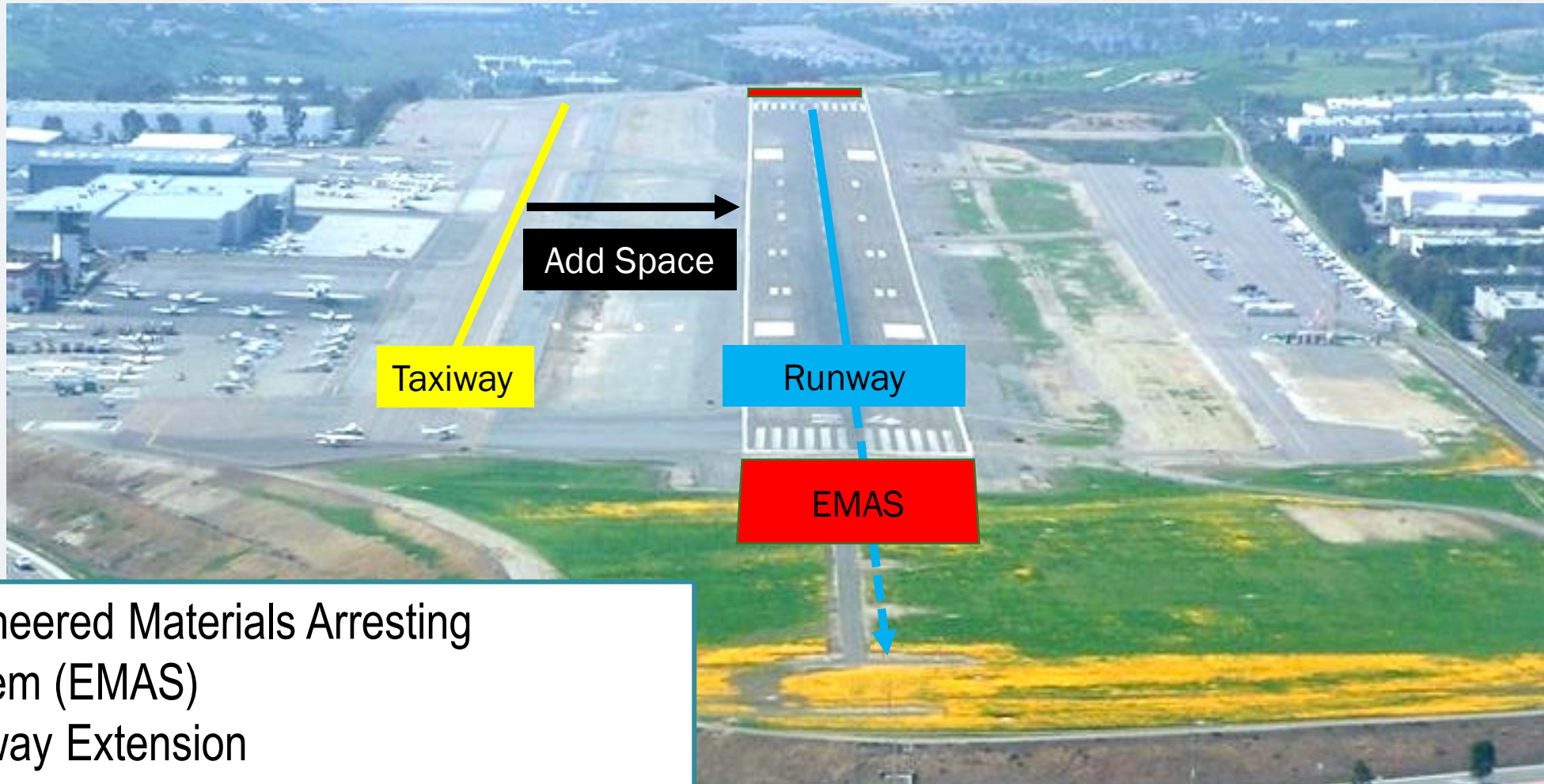


Safety Improvements

Runway Design Standard (Not lower than 3/4 mile)	Existing Conditions	B-II	B-III	B-IV	C-II D-II E-II	C-III D-III
Included in Master Plan?	--	Yes	No	No	No	Yes
RSA Length beyond Departure End	300'	300'	600'	1000'	1000'	1000'
RSA Width	150'	150'	300'	500'	500'	500'
ROFA Length beyond Runway End	300'	300'	600	1000'	1000'	1000'
ROFA Width	500'	500'	800	800'	800'	800'
RWY 24 Departure RPZ Length/ Inner Width/Outer Width	1700'/500'/1010'	1000'/500'/700'	1000'/500'/700'	1000'/500'/700'	1700'/500'/1010'	1700'/500'/1010'
RWY 24 Approach RPZ Length/ Inner Width/Outer Width	1700'/1000'/1510'	1700'/1000'/1510'	1700'/1000'/1510'	1700'/1000'/1510'	1700'/1000'/1510'	1700'/1000'/1510'
Runway Separation to Taxiway/ Aircraft Parking Area	297.5'/370'	240'/250'*	300'/400'	400'/500'	300'/400'	400'/500'
Runway Separation to Aircraft Hold Line	250'	200'	200'	250'	250'	250'



Main Safety Enhancements In Master Plan



- Engineered Materials Arresting System (EMAS)
- Runway Extension
- More Space Between Runway & Taxiway

QUESTIONS

