



Military Transformation Task Force

July 22, 2015



**City of
San Antonio**



Bexar County



**San Antonio
Chamber of Commerce**



Agenda

- 1. Citizens to be Heard**
- 2. Review and Approval of Minutes of April 21, 2015**
- 3. Administrative Business**
 - a) MTTF/Office of Military Affairs (Bob Murdock)**
- 4. Information Items**
 - Texas Military Communities Mayor's Forum**
 - State Legislative Recap**
- 5. Update from MTTF Committee Chairs, Joint Base San Antonio, and Other MTTF Organizational Representatives**
- 6. Adjourn**



Citizens to be Heard



Review and Approval of Minutes from April 21, 2015

Administrative Business

Upcoming MTTF Meetings

- **Location: Municipal Plaza B Room**
- **Time: 1:30 PM**
 - **Meeting Dates to Be Determined**



Information Items

1. **Texas Military Communities Mayor's Forum**
2. **State Legislative Recap**



MTTF Committee Updates



Neighborhoods and Real Property Committee

Chair: Howard Peak



Communication and Legislative Affairs Committee

**Co-Chairs: Mark Frye and
Jesse Hereford**



Communication and Legislative

What We Do: Coordinate and facilitate communication efforts among key stakeholders who are actively involved in promoting military expansion(s) across San Antonio. Key activities include retaining missions vital to our national security and the San Antonio role as we look forward to the future.

We coordinate and integrate military-related State and Federal legislative and communications efforts among City, County and the San Antonio Chamber in consultation with Joint Base San Antonio (JBSA).

Ongoing Activities Include:

- Participating in SA to DC and Viva! San Antonio activities
- Meeting with State and Federal delegation and staffers to promote MTTF agenda
- Meeting with City and County legislative staffers / lobbyists
- Interacting with Texas Military Preparedness Commission and JBSA to promote San Antonio interests

Completed Items:

- Participated in ADC National Security Summit in DC (June).



Mission Readiness and Sustainability Committee

**Co-Chairs: Eric Stephens and
John Williams**

Description: Conduct Joint Land-Use Study for JBSA Lackland

Completed Actions:

- Light Study – Commissioners Court Approval – 12/10/2013
- Light Study Technical Committee Kickoff – 02/12/2014
- Data Collection | Stakeholder Interviews – 05/27/2014

Next Steps:

- Light Pollution Mitigation Analysis – 100% Complete
 - Recommendation is to extend Limited Lighting
 - Recommendations to Dark Skies Lighting Order/Ordinance
 - Public Meeting August 4, 2015 (Tentative)

Staff Support: Bexar County

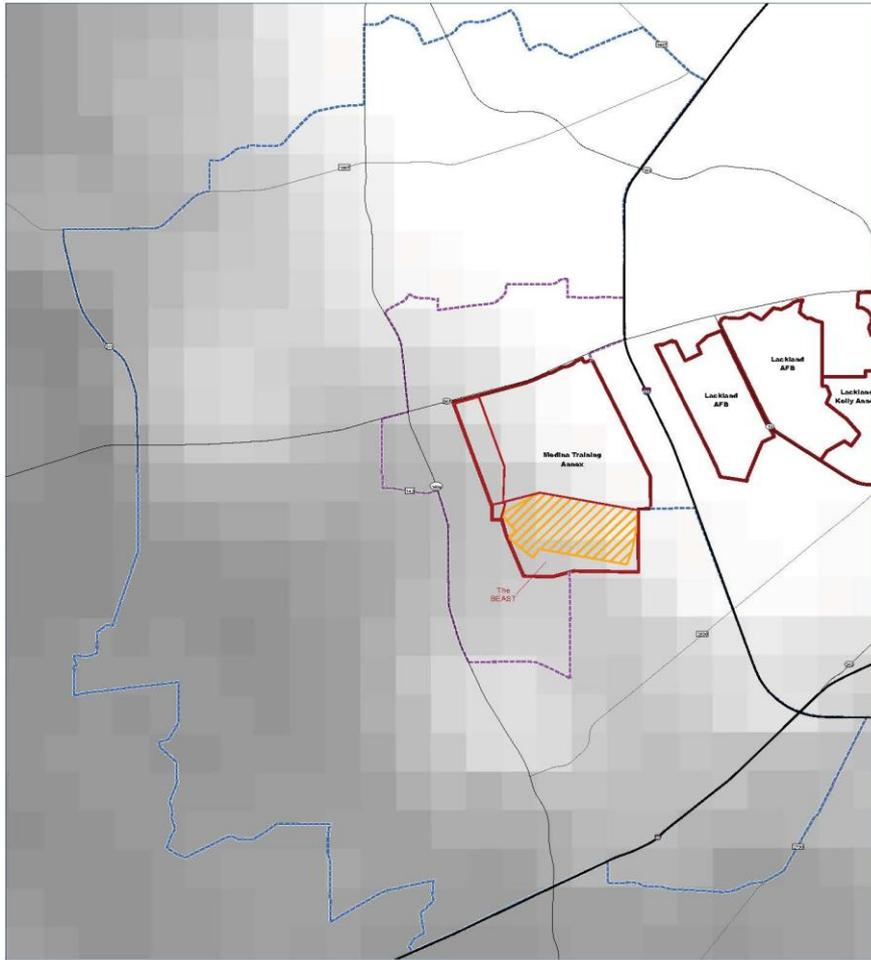


Figure 2
Night Sky over JBSA-Lackland MTA in 1992

Matrix
44188 11/17/12
Source: NOAA Defense Meteorological Satellite Program (DMSP), 2014.
Fig 10: Bexar Lighting History 1992 2014-09-29 GJM.pdf

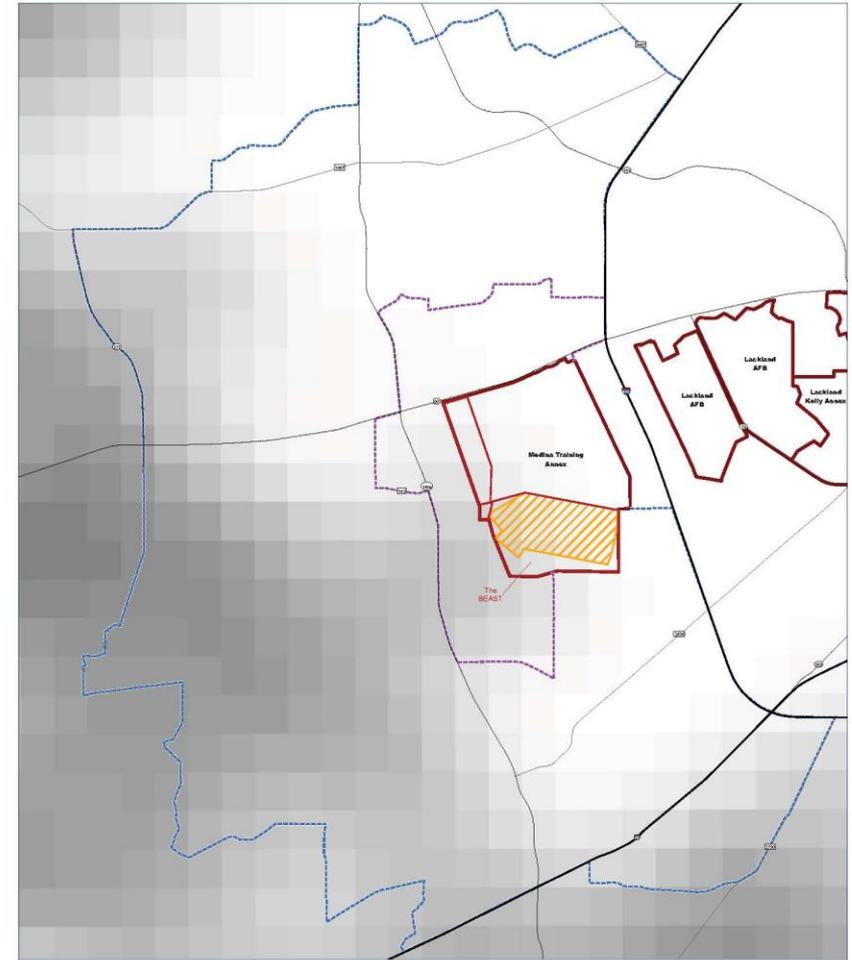


Figure 6
Night Sky over JBSA-Lackland MTA in 2012

Matrix
44188 11/17/12
Source: NOAA Defense Meteorological Satellite Program (DMSP), 2014.
Fig 10: Bexar Lighting History 2012 2014-09-29 GJM.pdf

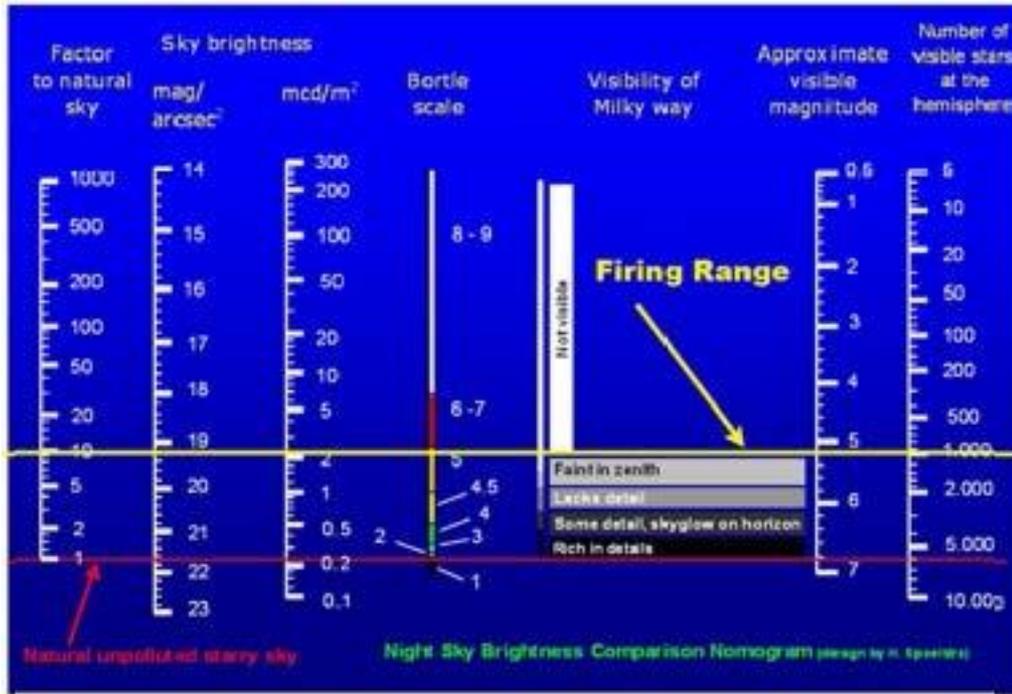


Figure 8. Medina Training Annex (MTA) Firing Range Sky Glow Analysis

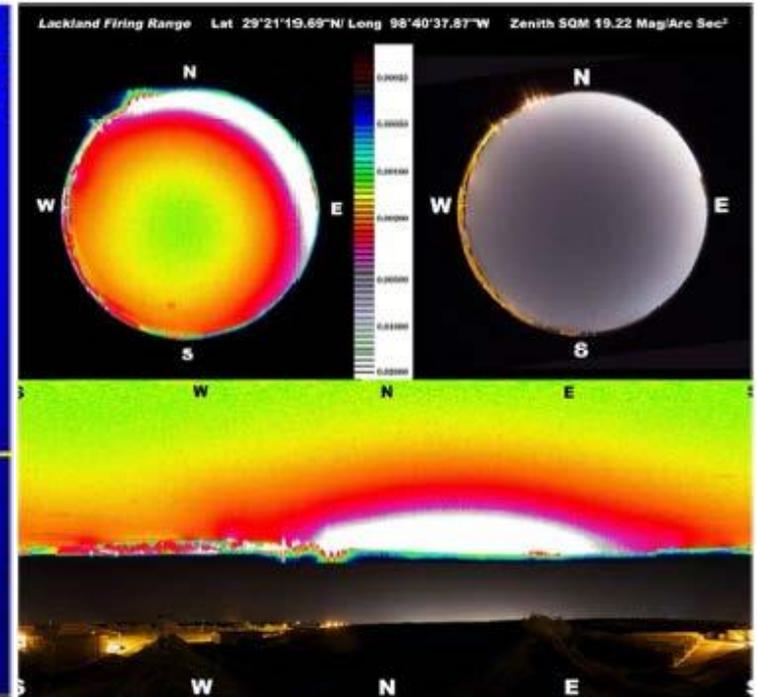


Figure 9. MTA Firing Range All-Sky and Panoramic Images

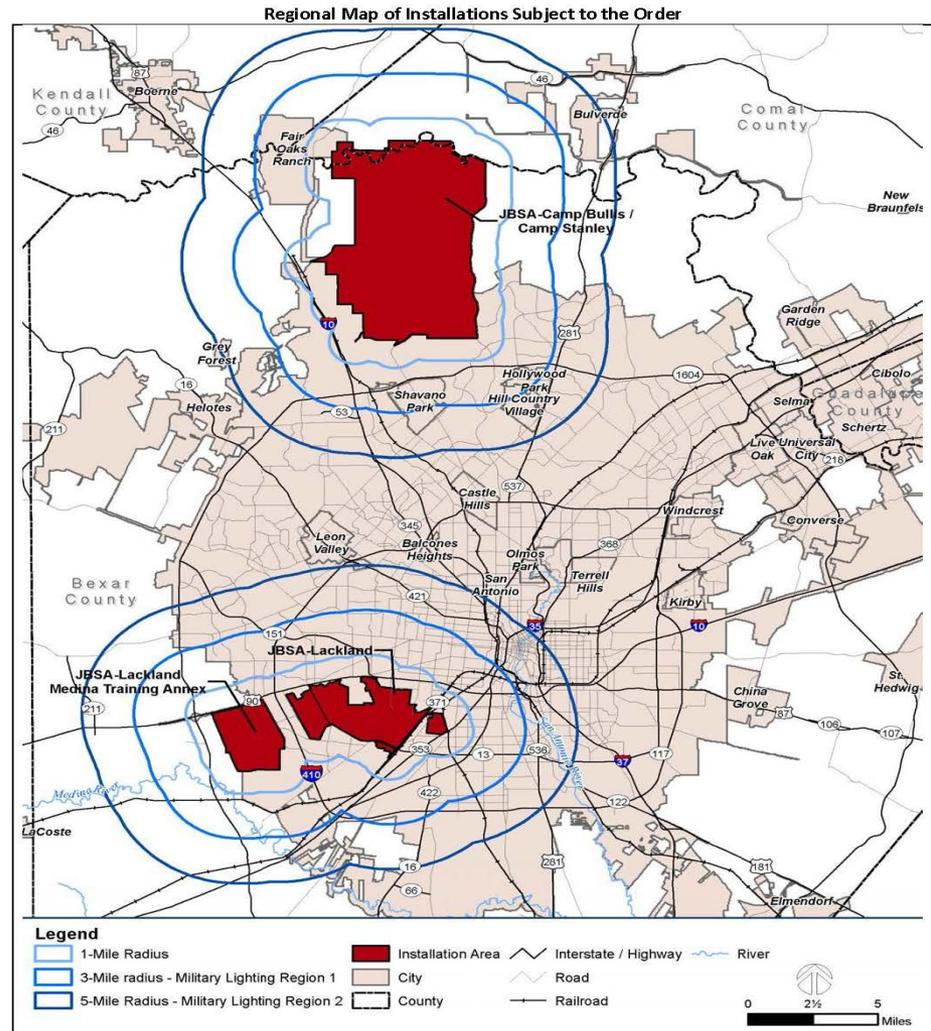
Figure 8 provides a comparison of the observed sky conditions at the Firing Range against standard sky glow metrics. Overall, the light pollution at the Firing Range is poor with a Bortle Scale rating just below 6 with the sky being 10 times brighter than a sky without artificial lighting.

Figure 9 includes the All-Sky image and the panorama composite. Significant horizon brightening observed to the Northeast is in the direction of the City of San Antonio.

Since Bexar County cannot enforce zoning or land use, the proposed Order creates two Military Lighting Regions (MLRs) and five Development Category Designations (DCs).

MLR-1 is the area within three miles of an installation and MLR-2 is the area within three to five miles of the installation.

The DCs are determined by the proposed development's residential density (dwelling units/acre), a non-residential floor-area ratio (ratio of the actual building area to the total lot area), or proximity to an installation.





JBSA Lackland JLUS

	DC-0	DC-1	DC-2	DC-3	DC-4
Row 1 Maximum Allowed Luminaire Lumens* for Unshielded Luminaires at one entry only	Not Allowed	420 Lumens	630 Lumens	630 Lumens	630 Lumens
Row 2 Maximum Allowed Luminaire Lumens* for each Fully Shielded Luminaire	630 Lumens	1,260 Lumens	1,260 Lumens	1,260 Lumens	1,260 Lumens
Row 3 Maximum Allowed Luminaire Lumens* for each Unshielded Luminaire excluding main entry	Not Allowed	315 Lumens	315 Lumens	315 Lumens	315 Lumens
Row 4 Maximum Allowed Luminaire Lumens* for each Landscape Lighting	Not Allowed	Not Allowed	1,050 Lumens	2,100 Lumens	2,100 Lumens
Row 5 Maximum Allowed Luminaire Lumens* for each Shielded Directional Flood Lighting	Not Allowed	Not Allowed	1,260 Lumens	2,100 Lumens	2,100 Lumens
Row 6 Maximum Allowed Luminaire Lumens* for each Low Voltage Landscape Lighting	Not Allowed	Not Allowed	525 Lumens	525 Lumens	525 Lumens

* Luminaire Lumens equals Initial Lamp Lumens for a lamp, multiplied by the number of lamps in the luminaire

	DC-0	DC-1	DC-2	DC-3	DC-4
Base Allowance					
0.5 lumens per SF of hardscape	1.25 lumens per SF of hardscape	2.5 lumens per SF of hardscape	5.0 lumens per SF of hardscape	7.5 lumens per SF of hardscape	

Camp Bullis / Camp Stanley:

On properties situated at or above one thousand two hundred (1,200) feet in elevation (above mean sea level), and located within one (1) mile from the boundary of Camp Bullis or Camp Stanley, all lighting on the property shall be fully screened or shielded from the affected military installation(s). Methods of screening can include, but are not limited to, fencing, landscaping or shielding of light fixture.

Lackland AFB – Medina Training Annex

On properties located within one (1) mile from the boundary of Lackland AFB-Medina Training Complex, all lighting on the property shall conform to requirements of the DC-0 Development Category Designation.



JBSA Lackland JLUS

There are specific requirements for other site specific items such as ATMs, Parking Lots, Outdoor Advertising Signs, Street Lights, and Service Stations and other Outdoor Facilities.

	DC-0	DC-1	DC-2	DC-3	DC-4
Additional allowances for sales and service facilities. No more than two additional allowances per site.					
Outdoor Sales Lots. This allowance is lumens per square foot of uncovered sales lots used exclusively for the display of vehicles or other merchandise for sale, and may not include driveways, parking or other non-sales areas. To use this allowance, luminaires must be within 2 mounting heights of sales lot area.	0	4 lumens / SF	8 lumens / SF	16 lumens / SF	16 lumens / SF
Outdoor Sales Frontage. This allowance is for lineal feet of sales frontage immediately adjacent to the principal viewing location(s) and unobstructed for its viewing length. A corner sales lot may include two adjacent sides provided that a different principal viewing location exists for each side. In order to use this allowance, luminaires must be located between the principal viewing location and the frontage outdoor sales area.	0	0	1,000 per LF	1,500 per LF	2,000 per LF
Drive Up Windows. In order to use this allowance, luminaires must be within 20 feet horizontal distance of the center of the window.	0	2,000 lumens per drive-up window	4,000 lumens per drive-up window	8,000 lumens per drive-up window	8,000 lumens per drive-up window
Vehicle Service Station. This allowance is lumens per installed fuel pump.	0	4,000 lumens per pump (based on 5 fc horiz)	8,000 lumens per pump (based on 5 fc horiz)	16,000 lumens per pump (based on 5 fc horiz)	24,000 lumens per pump (based on 5 fc horiz)

DC-0	DC-1	DC-2	DC-3	DC-4
Base Allowance				
350 lumens/space	490 lumens/space	630 lumens/space	840 lumens/space	1,050 lumens/space

** May only be applied to properties containing up to 10 parking spaces, including disabled stalls*

Service Station Component	Lighting Level
Approach	2.0 fc
Driveway	2.0 fc
Pump Island	10.0 fc
Building Façade	3.0 fc
Service Areas	3.0 fc
Landscape Highlights	2.0 fc

Note: fc = foot candle

Description: Conduct Joint Land-Use Study for JBSA Randolph

Completed Actions:

- Final Report Accepted by the Executive Advisory Council on July 2, 2015.
- Data collection efforts/Small Area Studies

Next Steps:

- Small area Land Use studies within Accident Potential and Noise Contour Zones with affected Cities – 75% Complete
- Executive Summary of Identified Strategies for each Partner
- Resolutions to adopt JLUS Study by Participating Members
- Implementation of 126 Identified Strategies

Staff Support: Bexar County



JBSA Community Partnership Initiative

Public-Public; Public-Private (P4) Partnerships

- The 502 ABW/CC's three priorities for the JBSA Partnership Council are:
 - Improving Facilities/Systems/Infrastructure Sustainment
 - Accelerating Energy Efficiency
 - Preserving Quality of Life Programs/Services



Partnership Initiatives: Completed/Active

as of 14 July

#	Partnership	Status
1	Animal Control	Completed
2	Parks and Recreation	Completed
3a	Texas Transition Information Program – launch 20 Aug	Completed
6a	Bus Operations	Completed
6d	Via Survey Traffic Study –MOA signed (Nov 14)	Completed
11	Joint Training for Fire & ES (Radio Interoperability)	Completed
12	Joint EOD Training	Completed

#	Partnership	Status
3	Workforce Development and Transition	Active
3b	Marketing TTIP Initiative	Active
4	Golf Courses	Active
5	Libraries - funding	Active
6	Metropolitan Transit Services	Active
6b	Hospital Shuttle	Active
6c	Airport Shuttle	Active
7	Mass Transportation Benefit Program	Active
8	Joint Security Forces/Law Enforcement Training	Active
9	Joint Use Airfield	Active
10	Model of efficiency (LMI Study: Stormwater MX; Portable Toilets; Bulk Materials; Traffic Signals; Traffic Signs; Grounds Maintenance)	Active
13	BASH	Active
14	USO Center	Active



**Updates from
Joint Base San Antonio and
Other MTTF Organizational
Representatives**



Adjourn