

INFRASTRUCTURE PLAN

***Targeting and Analysis Systems Program Office
Automated Targeting System-Land
ATS-L 4.11.2***

***Document Number:
TASPO_ATS-L_4.11.2_InfstrPLAN_1.0***

June 15, 2012



**U.S. Customs and
Border Protection**

~~For Official Use Only~~

INFRASTRUCTURE PLAN

Targeting and Analysis Systems Program Office

Automated Targeting System-Land 4.11.2

Revision History

Document Number	Description of Revision	Author/ Person Responsible	Government Approval Authority	Date Approved
1	Initial draft	(b) (6), (b) (7)(C)	(b) (7)(C), (b)	6/15/2012
2	Revised Dates and Updated Operating and Hardware and Software Requirements	(b) (7)	(b) (7)(C), (b)	6/15/2012

Contents

Revision History	i
1. System Architecture.....	1
1.1. System Host Configuration	1
1.2. Host Platform.....	2
1.3. Dimensions and Specifications.....	2
1.4. Network Operating System	2
1.5. Server Distribution	2
1.6. Host Security Design Considerations.....	3
1.7. Other Host Considerations.....	3
2. Database Server Configuration	3
2.1. Server Platform.....	4
2.2. Dimensions and Specifications.....	5
2.3. Network Operating System	5
2.4. Database Software	5
3. Server Distribution	5
3.1. Database Server Security Design Considerations.....	5
3.2. Other Database Server Considerations	5
3.3. Disk/Tape Subsystem Configuration.....	5
4. Backup/Restore Software Description	6
4.1. Equipment Description	6
4.2. Backup/Restore Software Description.....	6
4.3. Media Description	6
4.4. Backup Rotation Schedule.....	6
4.5. Off-Site Storage Requirements.....	7
4.6. Failsafes/Interruptions	7
5. Client Configuration.....	7
5.1. Desktop/Client Operating System	7
5.2. Client Software Requirements.....	8
5.3. Client Hardware Requirements	8
5.4. Mobile Computing Requirements	9
5.5. Client Distribution	9
5.6. Client Security Considerations	9
5.7. Other Client Considerations	9
6. System Interdependencies	9
7. Tools	9
8. Network Architecture.....	10
8.1. Network Topology.....	10
8.2. Network Protocol(s) Requirements	10
8.3. Name Service Requirements	10
8.4. DNS/DHCP Service Requirements	10
8.5. Bandwidth Estimates	10
8.6. Transaction Size	10
8.7. Simultaneous Use Projections	10

9. Facilities	10
9.1. Location	11
9.2. Host Location	11
9.3. Distributed Server Location(s)	11
9.4. Modifications/Upgrades/Expansions	11
10. Physical Requirements	11
10.1. Power	11
10.2. Environmental	11
10.3. Security	12
10.4. Fire Protection	12
10.5. Space	12
11. Operational Considerations	12
11.1. Viability Monitoring Requirements and Thresholds	12
11.2. Vendor Support	12
11.3. Service Level Agreement(s)	12

INFRASTRUCTURE PLAN

Project Name: Targeting and Analysis Systems Program Office
Automated Targeting System-Land 4.11.2

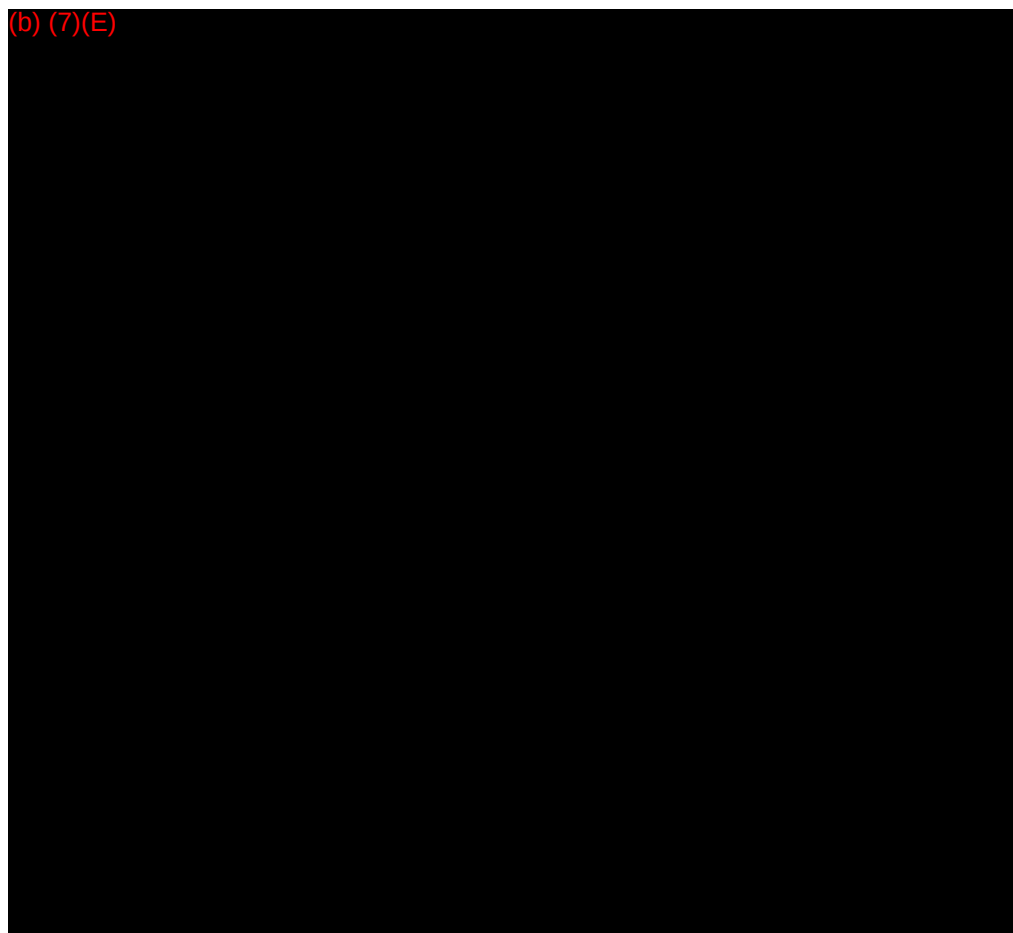
Document Number: TASPO_ATS-L_4.11.2_InfstrPLAN_1.0

Date Prepared: June 15, 2012

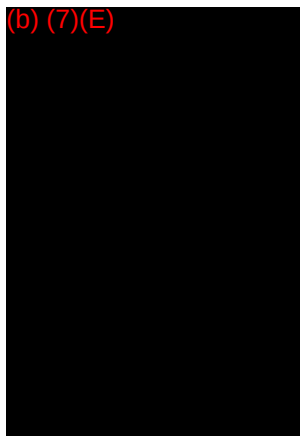
1. System Architecture

This section is used to fully describe the configuration of the system including the hardware and software used for ATS-L.

(b) (7)(E)



(b) (7)(E)



Revision Date: 03/03/2009

1.1. System Host Configuration

This will be detailed at a later stage.

1.2. Host Platform

This section contains information about the primary servers used to support the front-end and back-end application.

(b) (7)(E)
[Redacted text block]

[Redacted text block]

[Redacted text block]

1.3. Dimensions and Specifications

The server vendor can provide detailed information about the physical dimensions and specifications of their hardware.

1.4. Network Operating System

(b) (7)(E)
[Redacted text block]

1.5. Server Distribution

This section describes the distribution of the host servers including the general deployment location of the servers. (b) (7)(E)

[Redacted text block]

System: ATS-L Land

(b) (7)(E)

1.6. Host Security Design Considerations

This section is used to describe the security infrastructure used with the host server(s) of this system. This section should be used to describe security infrastructure including hardware and/or software components that address security requirements for host-based systems. Security design considerations given in this section should map to the Security Design and Security Requirements documents.

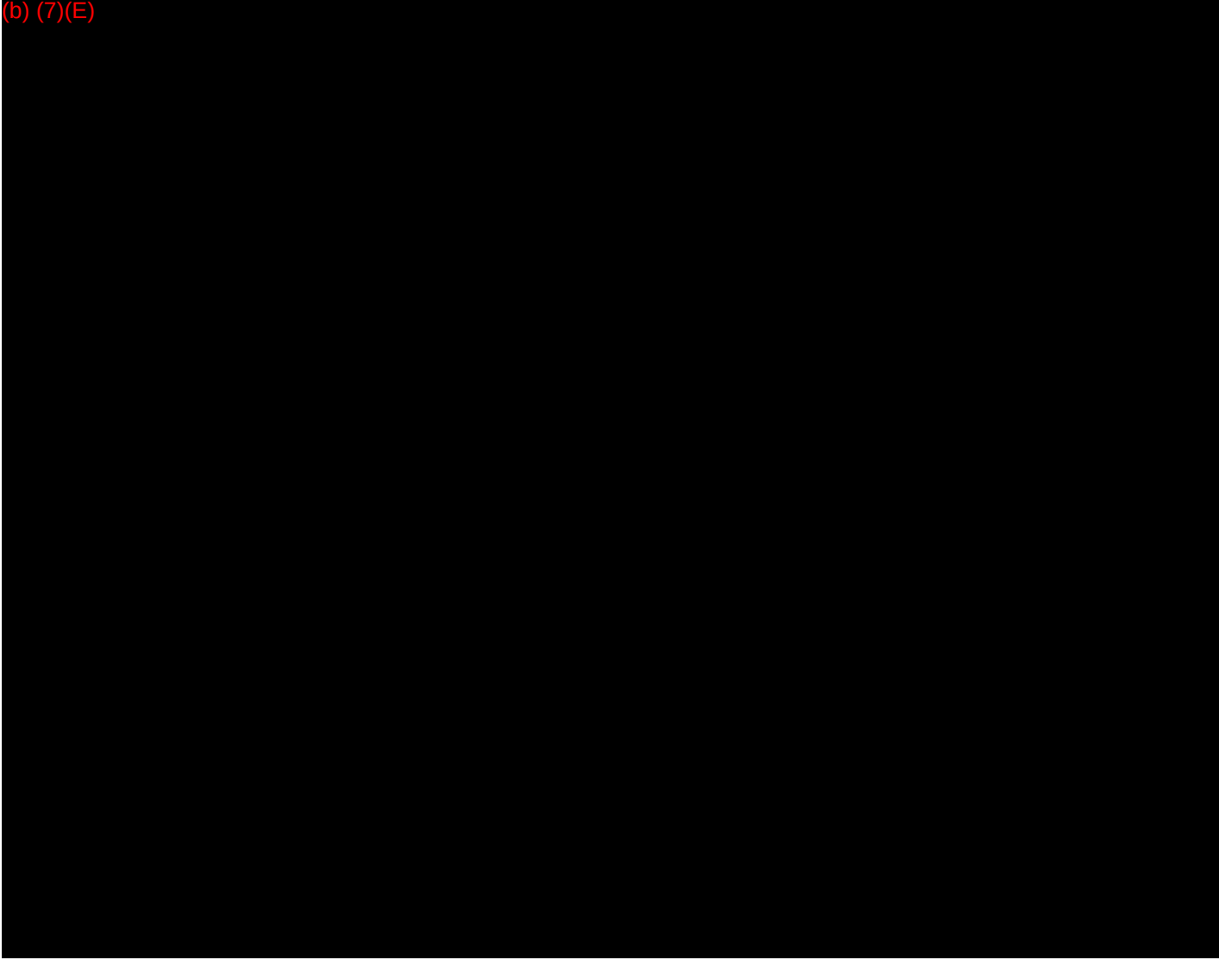
1.7. Other Host Considerations

N/A

2. Database Server Configuration

This section describes the server platform used to accommodate the databases used by ATS-L

(b) (7)(E)



2.1. Server Platform

In this section we describe the hardware platform (b) (7)(E)



(b) (7)(E)

2.2. Dimensions and Specifications

<Lead-in text here>

2.3. Network Operating System

This section describes the operating systems used on each of the databases.

(b) (7)(E)

2.4. Database Software

This section describes the database software used with the system. (b) (7)(E)

- [REDACTED]
- [REDACTED]

3. Server Distribution

This will be detailed at a later stage.

3.1. Database Server Security Design Considerations

This will be detailed at a later stage.

3.2. Other Database Server Considerations

This will be detailed at a later stage.

3.3. Disk/Tape Subsystem Configuration

This will be detailed at a later stage.

4. Backup/Restore Software Description

This will be detailed at a later stage.

4.1. Equipment Description

The hardware type, quantity, support, and backup frequency for each of DEV, SAT, and PROD are defined below.

(b) (7)(E)



4.2. Backup/Restore Software Description

This will be detailed at a later stage.

4.3. Media Description

This will be detailed at a later stage.

4.4. Backup Rotation Schedule

Data backup and restoration procedures are tested at (b) (7)(E)




(b) (7)(E)

4.5. Off-Site Storage Requirements

TASPO coordinates CP testing and (b) (7)(E)

CBPOIT conducts a review of the (b) (7)(E). CBP has adequate staff and resources that have been deemed appropriate to handle the (b) effort. The (b) team provides directions and ensures that everyone is familiar with the facility and operating environment. (b) (7)(E)

4.6. Failsafes/Interruptions

This will be detailed at a later stage.

5. Client Configuration

This section describes the environment required to support the client portion of the system. In the subsections below we will cover each aspect of the client environment.

5.1. Desktop/Client Operating System

This section describes the operating system software requirements for supporting the client operations of ATS-L front-end web application.

The only required piece of software to use ATS-L is (b) (7)(E)

- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)

- (b) (7)(E)

5.2. Client Software Requirements

This section describes the client hardware requirements of the client system. (b) (7)(E)

(b) (7)(E)

(b) (7)(E)

- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)

5.3. Client Hardware Requirements

For each system the minimum CPU speed is required to be at least (b) (7)(E)

(b) (7)(E)

(b) (7)(E)

- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)
- (b) (7)(E)

(b) (7)(E)

- (b) (7)(E) [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

5.4. Mobile Computing Requirements

N/A

5.5. Client Distribution

This section describes the locations where the (b) (7)(E) [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

5.6. Client Security Considerations

Features provided using (b) (7)(E) [REDACTED]

[REDACTED].

5.7. Other Client Considerations

N/A

6. System Interdependencies

This will be detailed at a later stage.

7. Tools

The below table lists the software type, number of licenses, and which Division staff will provide support.

Table Software Licensing

Type/Brand	Quantity	ENTS/EDME staff will provide ALL support (Yes/No). If "No," then who?	Other comments or other information
(b) (7)(E) [REDACTED]	[REDACTED]	[REDACTED]	

Type/Brand	Quantity	ENTS/EDME staff will provide ALL support (Yes/No). If "No," then who?	Other comments or other information
	Agreement		
(b) (7)(E)	Agreement	(b) (7)(E)	
(b) (7)(E)	(b) (7)(E) Agreement	(b) (7)(E)	

8. Network Architecture

This will be detailed at a later stage.

8.1. Network Topology

This will be detailed at a later stage.

8.2. Network Protocol(s) Requirements

This will be detailed at a later stage.

8.3. Name Service Requirements

<Lead-in text here>

8.4. DNS/DHCP Service Requirements

This will be detailed at a later stage.

8.5. Bandwidth Estimates

This will be detailed at a later stage.

8.6. Transaction Size

This will be detailed at a later stage.

8.7. Simultaneous Use Projections

This will be detailed at a later stage.

9. Facilities

All ATS database and web resources are located in (b)

9.1. Location

All ATS database and web resources are located in (b) .

9.2. Host Location

All ATS database and web resources are located in (b)

9.3. Distributed Server Location(s)

This will be detailed at a later stage.

9.4. Modifications/Upgrades/Expansions

This will be detailed at a later stage.

10. Physical Requirements

This will be detailed at a later stage.

10.1. Power

(b) (7)(E)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

10.2. Environmental

This will be detailed at a later stage.

10.3. Security

(b) (7)(E)

Age Group	Percentage Vaccinated
18-24	65%
25-34	85%
35-44	88%
45-54	90%
55-64	92%
65-74	95%
75-84	98%
85+	99%

10.4. Fire Protection

NORMAL fire protection systems will be used to protect system resources.

10.5. Space

This will be detailed at a later stage.

11. Operational Considerations

This will be detailed at a later stage.

11.1. Viability Monitoring Requirements and Thresholds

This will be detailed at a later stage.

11.2. Vendor Support

This will be detailed at a later stage.

11.3. Service Level Agreement(s)

CBP has (b) (7)(E)

CBP Business System functions for recovery are based on:

(b) (7)(E)

(b) (7)(E) [REDACTED]

[REDACTED]