

Code Testing Plan/Results Report

NG911

Team Members:

Rabaa Abdelrahman,

Li Pan,

Renz Rivero

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Mobile and Web Interaction

Android Operating System

Version #10 and above

Testing Case 1: Personal Call

Server Testing Table

| SOS | | | | PSAP | | | | | Test Outcome |
|-----------------|---------|--------------|--------------|-------------|-----------|---------|--------------|--------------|--------------|
| Location Server | Message | Audio Stream | Video Stream | Black route | Red route | Message | Audio Stream | Video Stream | |
| On | Yes | No | No | ✓ | ✓ | ✓ | – | – | P |
| Off | Yes | No | No | – | ✓ | ✓ | – | – | P |
| On | No | Yes | No | ✓ | ✓ | – | ✓ | – | P |
| Off | No | Yes | No | – | ✓ | – | ✓ | – | P |
| On | No | No | Yes | ✓ | ✓ | – | – | ✓ | P |
| Off | No | No | Yes | – | ✓ | – | – | ✓ | P |
| On | Yes | Yes | No | ✓ | ✓ | ✓ | ✓ | – | P |
| Off | Yes | Yes | No | – | ✓ | ✓ | ✓ | – | P |
| On | Yes | No | Yes | ✓ | ✓ | ✓ | – | ✓ | P |
| Off | Yes | No | Yes | – | ✓ | ✓ | – | ✓ | P |

Profile Testing Table

| Permission | On/OFF | Data | PSAP Receive | Test Outcome |
|-------------------|--------|------|--------------|--------------|
| Personal General | 0 | – | – | P |
| Personal Medical | 0 | – | – | P |
| Emergency Contact | – | – | – | P |
| Personal General | 1 | Null | – | P |
| Personal Medical | 1 | Null | – | P |
| Emergency Contact | – | – | – | P |
| Personal General | 1 | 1 | 1 | P |
| Personal Medical | 1 | 1 | 1 | P |
| Emergency Contact | – | – | – | P |

Testing Case 2: Emergency Contact

Server Testing Table

| SOS | | | | PSAP | | | | | Test Outcome |
|-----------------|---------|--------------|--------------|-------------|-----------|---------|--------------|--------------|--------------|
| Location Server | Message | Audio Stream | Video Stream | Black route | Red route | Message | Audio Stream | Video Stream | |
| On | Yes | No | No | ✓ | ✓ | ✓ | – | – | P |
| Off | Yes | No | No | – | ✓ | ✓ | – | – | P |

| | | | | | | | | | |
|-----|-----|-----|-----|---|---|---|---|---|---|
| On | No | Yes | No | ✓ | ✓ | – | ✓ | – | P |
| Off | No | Yes | No | – | ✓ | – | ✓ | – | P |
| On | No | No | Yes | ✓ | ✓ | – | – | ✓ | P |
| Off | No | No | Yes | – | ✓ | – | – | ✓ | P |
| On | Yes | Yes | No | ✓ | ✓ | ✓ | ✓ | – | P |
| Off | Yes | Yes | No | – | ✓ | ✓ | ✓ | – | P |
| On | Yes | No | Yes | ✓ | ✓ | ✓ | – | ✓ | P |
| Off | Yes | No | Yes | – | ✓ | ✓ | – | ✓ | P |

Profile Testing Table

| Permission | On/OFF | Data | PSAP Receive | Test Outcome |
|-------------------|--------|------|--------------|--------------|
| Personal General | – | – | – | P |
| Personal Medical | – | – | – | P |
| Emergency Contact | 0 | – | – | P |
| Personal General | – | – | – | P |
| Personal Medical | – | – | – | P |
| Emergency Contact | 1 | Null | – | P |
| Personal General | – | – | – | P |
| Personal Medical | – | – | – | P |
| Emergency Contact | 1 | 1 | 1 | P |

Testing Case 3: Bystander

Server Testing Table

| SOS | | | | PSAP | | | | | Test Outcome |
|-----------------|---------|--------------|--------------|-------------|-----------|---------|--------------|--------------|--------------|
| Location Server | Message | Audio Stream | Video Stream | Black route | Red route | Message | Audio Stream | Video Stream | |
| On | Yes | No | No | ✓ | ✓ | ✓ | – | – | P |
| Off | Yes | No | No | – | ✓ | ✓ | – | – | P |
| On | No | Yes | No | ✓ | ✓ | – | ✓ | – | P |
| Off | No | Yes | No | – | ✓ | – | ✓ | – | P |
| On | No | No | Yes | ✓ | ✓ | – | – | ✓ | P |
| Off | No | No | Yes | – | ✓ | – | – | ✓ | P |
| On | Yes | Yes | No | ✓ | ✓ | ✓ | ✓ | – | P |
| Off | Yes | Yes | No | – | ✓ | ✓ | ✓ | – | P |
| On | Yes | No | Yes | ✓ | ✓ | ✓ | – | ✓ | P |
| Off | Yes | No | Yes | – | ✓ | ✓ | – | ✓ | P |

iOS Operating System

Version #12.4 and above

Testing Case 1: Personal Call

Server Testing Table

| SOS | | | | PSAP | | | | | Test Outcome |
|-----------------|---------|--------------|--------------|-------------|-----------|---------|--------------|--------------|--------------|
| Location Server | Message | Audio Stream | Video Stream | Black route | Red route | Message | Audio Stream | Video Stream | |
| On | Yes | No | No | ✓ | ✓ | ✓ | – | – | Unstable |
| Off | Yes | No | No | – | ✓ | ✓ | – | – | P |
| On | No | Yes | No | ✓ | ✓ | – | ✓ | – | Unstable |
| Off | No | Yes | No | – | ✓ | – | ✓ | – | P |
| On | No | No | Yes | ✓ | ✓ | – | – | ✓ | Unstable |
| Off | No | No | Yes | – | ✓ | – | – | ✓ | P |
| On | Yes | Yes | No | ✓ | ✓ | ✓ | ✓ | – | Unstable |
| Off | Yes | Yes | No | – | ✓ | ✓ | ✓ | – | P |
| On | Yes | No | Yes | ✓ | ✓ | ✓ | – | ✓ | Unstable |
| Off | Yes | No | Yes | – | ✓ | ✓ | – | ✓ | P |

Profile Testing Table

| Permission | On/OFF | Data | PSAP Receive | Test Outcome |
|-------------------|--------|------|--------------|--------------|
| Personal General | 0 | – | – | P |
| Personal Medical | 0 | – | – | P |
| Emergency Contact | – | – | – | P |
| Personal | 1 | Null | – | P |

| | | | | |
|--------------------------|---|------|---|---|
| General | | | | |
| Personal Medical | 1 | Null | – | P |
| Emergency Contact | – | – | – | P |
| Personal General | 1 | 1 | 1 | P |
| Personal Medical | 1 | 1 | 1 | P |
| Emergency Contact | – | – | – | P |

Testing Case 2: Emergency Contact

Server Testing Table

| SOS | | | | PSAP | | | | | Test Outcome |
|-----------------|---------|--------------|--------------|-------------|-----------|---------|--------------|--------------|--------------|
| Location Server | Message | Audio Stream | Video Stream | Black route | Red route | Message | Audio Stream | Video Stream | |
| On | Yes | No | No | ✓ | ✓ | ✓ | – | – | Unstable |
| Off | Yes | No | No | – | ✓ | ✓ | – | – | P |
| On | No | Yes | No | ✓ | ✓ | – | ✓ | – | Unstable |
| Off | No | Yes | No | – | ✓ | – | ✓ | – | P |
| On | No | No | Yes | ✓ | ✓ | – | – | ✓ | Unstable |
| Off | No | No | Yes | – | ✓ | – | – | ✓ | P |
| On | Yes | Yes | No | ✓ | ✓ | ✓ | ✓ | – | Unstable |
| Off | Yes | Yes | No | – | ✓ | ✓ | ✓ | – | P |
| On | Yes | No | Yes | ✓ | ✓ | ✓ | – | ✓ | Unstable |
| Off | Yes | No | Yes | – | ✓ | ✓ | – | ✓ | P |

Profile Testing Table

| Permission | On/OFF | Data | PSAP Receive | Test Outcome |
|-------------------|--------|------|--------------|--------------|
| Personal General | – | – | – | P |
| Personal Medical | – | – | – | P |
| Emergency Contact | 0 | – | – | P |
| Personal General | – | – | – | P |
| Personal Medical | – | – | – | P |
| Emergency Contact | 1 | Null | – | P |
| Personal General | – | – | – | P |
| Personal Medical | – | – | – | P |
| Emergency Contact | 1 | 1 | 1 | P |

Testing Case 3: Bystander

Server Testing Table

| SOS | | | | PSAP | | | | | Test Outcome |
|-----------------|---------|--------------|--------------|-------------|-----------|---------|--------------|--------------|--------------|
| Location Server | Message | Audio Stream | Video Stream | Black route | Red route | Message | Audio Stream | Video Stream | |
| On | Yes | No | No | ✓ | ✓ | ✓ | – | – | Unstable |
| Off | Yes | No | No | – | ✓ | ✓ | – | – | P |
| On | No | Yes | No | ✓ | ✓ | – | ✓ | – | Unstable |
| Off | No | Yes | No | – | ✓ | – | ✓ | – | P |

| | | | | | | | | | |
|-----|-----|-----|-----|---|---|---|---|---|----------|
| On | No | No | Yes | ✓ | ✓ | – | – | ✓ | Unstable |
| Off | No | No | Yes | – | ✓ | – | – | ✓ | P |
| On | Yes | Yes | No | ✓ | ✓ | ✓ | ✓ | – | Unstable |
| Off | Yes | Yes | No | – | ✓ | ✓ | ✓ | – | P |
| On | Yes | No | Yes | ✓ | ✓ | ✓ | – | ✓ | Unstable |
| Off | Yes | No | Yes | – | ✓ | ✓ | – | ✓ | P |