









Hypothetical DLC concept created for GTA Online. Concept is titled GTA Online Spy Satellite DLC.

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**Brief Disclaimer** The DLC concept that is featured in this software development document is fictional. Since it is intended for GTA Online, a game that is owned by Rockstar Games, it will feature some aspects or concepts of their game to help me illustrate the DLC concept. Any imagery that is owned by Rockstar Games, is only used by me for educational purposes, to help explain a concept that I am proposing. No type of illegal or unauthorized modification to GTA Online is being proposed in this document. I am only reusing certain aspects of their game in a hypothetical manner. I am also including other components for addition into GTA Online. Any other images found in this document are used solely for educational purposes and are property of their respective owners. Using any images from public sources does not mean I am claiming ownership over the images. Accessing this presentation through my LinkedIn page (or any other way) does not give you the permission to distribute it nor claim it as your own work. No relation to Rockstar Games nor GTA Online should be assumed by the reading or creation of this fictional DLC concept for GTA Online. Thank you. Sincerely, Ed Orejel, MSCS Processed using the free version of Watermarkly. The paid version does not add this man



#### Vision Statement Expanded – New Additions to GTA Online – The Military Group

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Military Group



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The Military group will also provide various services to the player through the spy satellite. The services are categorized as follows:

- Military Services
- Military Weapons

A Military Group will use the spy satellite in a way that is different from a Shadow Hacker Group, but the manner in which the Military Group uses a spy satellite, is useful.

The usage of the spy satellite by the two groups is so distinct, that it was easier to create two separate entities for GTA Online that would be given access to the spy satellite.

Thus, the Military Group would use typical military weapons and tactics provided by the spy satellite. The Shadow Hacker Group would use atypical weapons and tactics provided by the spy satellite. The former group's methods are for conventional warfare, presumably. The latter group's methods are for permanent or long term asymmetrical warfare, including asymmetrical information (intelligence) gathering.

For more specific details about the components of each group that will interact with the player, please view the slide titled *Conceptual Overview of Spy Satellite Services – Top-Level Component View – All Services* in this presentation.

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#### Vision Statement Expanded – New Additions to GTA Online – The Spy Satellite

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The Spy Satellite

In the real world, a shadow hacker group, and the military, would use the spy satellite in a similar way, but for different purposes. The end-use of the spy satellite by the two groups, thus, is so distinct, that it was easier to create two separate entities for GTA Online that would be given access to the spy satellite.

Thus, the Military Group would use typical military weapons and tactics provided by the spy satellite. The Shadow Hacker Group would use atypical weapons and tactics provided by the spy satellite. The former group's methods are for conventional warfare, presumably. The latter group's methods are for permanent or long term asymmetrical warfare, including asymmetrical information (intelligence) gathering.

For more specific details about the components of each group that will interact with the player, please view the slide titled *Conceptual Overview* of *Spy Satellite Services – Top-Level Component View – All Services* in this presentation.

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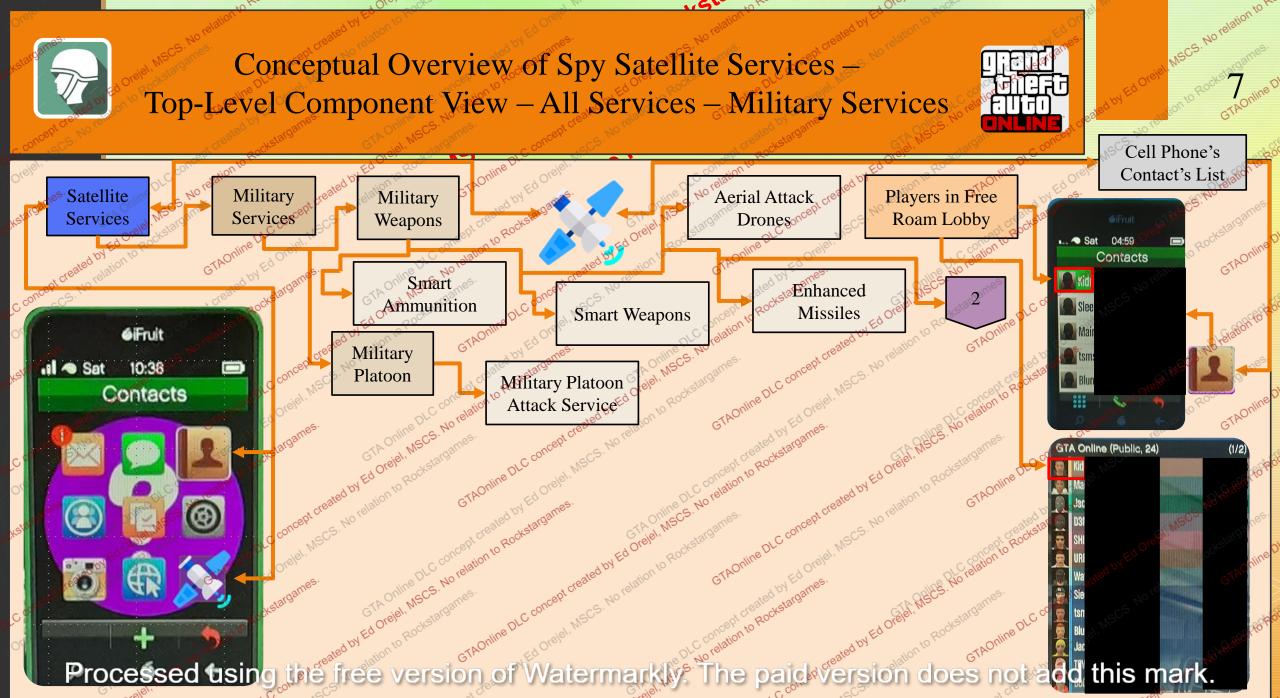
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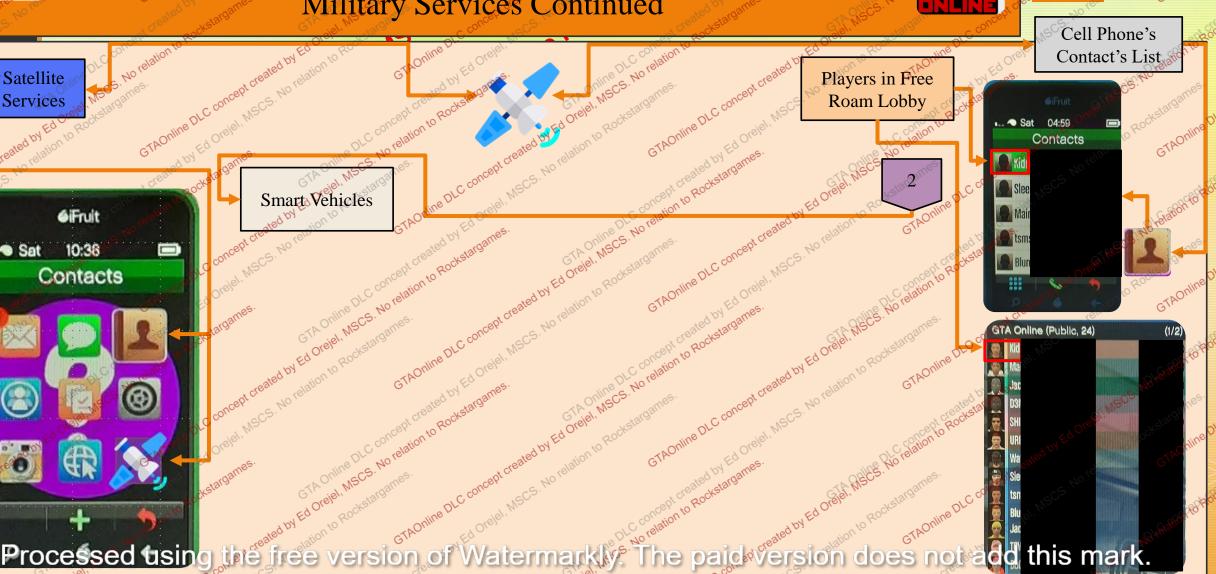
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# Conceptual Overview of Spy Satellite Services – Top-Level Component View – All Services – Military Services Continued





#### Radar and Targeting System Data Flow – Hardware and Software Component Connection – Main Components Connected

Proposed Data Flow: In and Out Data Flow: In and Out

This flowchart shows the relationship that I am proposing with current in-game components. The purpose of organizing the components this way, is to create a new piece of technology in the game. The technology is in the form of a radar and targeting mechanism that will be created by the addition of a spy satellite.

The radar detection and targeting mechanism is created using the following in-game components:

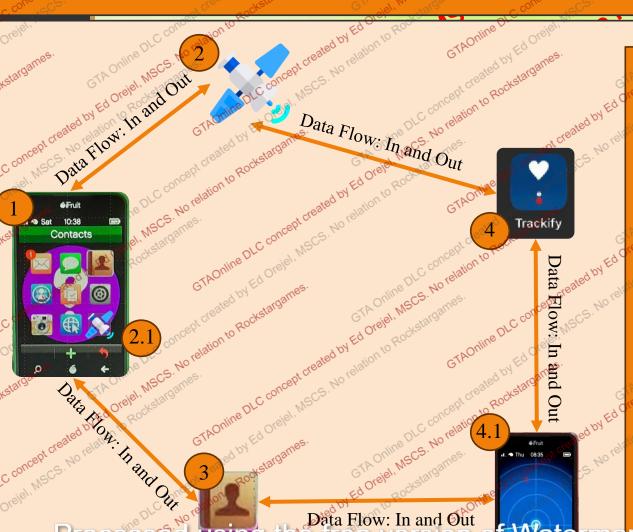
- 1. The player's in-game cell phone.
- 2. The newly added spy satellite.
- 3. The cell phone's Contact's List.
- 4. Trackify cell phone icon.
  - 4.1 A radar system like GTA Online's Trackify App.
- 5. Satellite Relay Station located in Grand Senora Desert, Blaine County (optional).

The main function of the spy satellite is to provide GPS latitude and longitude coordinate data of the player's current location, anywhere in the free roam lobby, if the player is not indoors. GPS data of the player will also be tracked while underwater or out in the ocean.

The spy satellite and radar tracking system will allow other new technology to be used in the game.

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#### Smart Weapons Radar and Targeting System Data Flow – Actual Data Flow Between Connected Components – Trackify App Example



This flowchart presents the actual data flow between components, once the spy satellite is launched into orbit.

The radar detection and targeting mechanism is created using the following in-game components:

- 1. The player's in-game cell phone.
- 2. The newly added spy satellite.
  - 2.1 The spy satellite connected to the in-game cell phone with an icon.
- 3. The cell phone's Contact's List.
- 4. Trackify cell phone icon.
  - 4.1 A radar system like GTA Online's Trackify App.

Players in GTA Online use their cell phone, but it is assumed that the service to the cell phone will always have a connection, if the player maintains a cash balance in the game.

If players use a cell phone in the game, then the cell phone can receive a satellite signal or some other type of signal to maintain connectivity.

A spy satellite connection to the cell phone could be created, and new in-game features could be enabled from the spy satellite.

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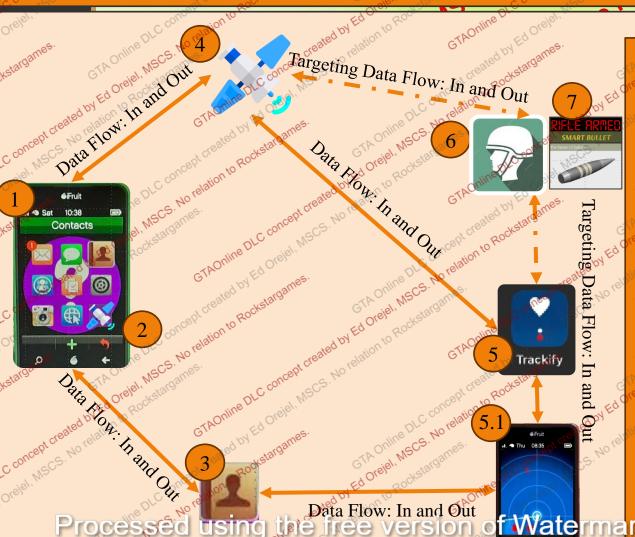
The components being proposed are as follows:

- 1. The player's in-game cell phone.
- 2. The newly added spy satellite icon linked to the in-game cell phone.
- 3. The mobile phone's Contact's List.
- 4. The newly added spy satellite.
- 5. The newly added Military Group linked to the spy satellite.
  - 5.1 The Military Group will be linked to the player's in-game cellular phone.
  - 5.2 The Military Group will have access to the player's Contact's List.

Once the components are connected in-game, a data-link is created that enables the ability to deliver new and robust gameplay services to the player.

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### Smart Weapons Radar and Targeting – System Data Flow – Smart Bullet – Targeting Data Flow Between Components – Spy Satellite Services Included



Once the components are assembled, the smart weapons and smart ammunition would receive data from the spy satellite in the form of GPS latitude and longitude coordinates of the player's cell phones.

- 1. The player's in-game cell phone.
- 2. The spy satellite linked to the in-game cell phone.
- 3. The mobile phone's Contact's List.
- 4. The newly added spy satellite.
- 5. Trackify cell phone icon.
  - 5.1 A radar system like GTA Online Trackify App
- 6. Military Group services will receive cell phone data.
- 7. Smart Rifle and Smart Bullet proposed weapons icon shown in the data flow.

The smart ammunition fired from the smart weapons would be able to attack enemies that are hiding in hard-to-reach areas.

The smart weapons would be able to fire smart ammunition that would be guided by the spy satellite, to hit an enemy anywhere in the map, even if the enemy is in any type of vehicle or hiding in between houses or apartment buildings.

The spy satellite in conjunction with the smart ammunition, would have artificial intelligence (AI) that would adjust its targeting software in real time, thereby, calculating the best vector of attack.

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## Other GTA Online Components Connected to Spy Satellite – Targeting Data Flow Between Components – Agent 14 Connected to Trackify through the Spy Satellite Component

Targeting Data Flow: In and Out Data Flow: In and Out

The design of the system allows for other components to be added and connected to the spy satellite. For example, Agent 14 could be given access to the spy satellite. Once Agent 14 is given access, he can call the players on their mobile phones to see if they want to access other in game missions offered through the spy satellite.

- 1. The player's in-game cell phone.
- 2. The spy satellite linked to the in-game cell phone
- 3. The cell phone's Contact's List.
- 4. The newly added spy satellite.
- 5. A radar system like GTA Online Trackify App.
  - 5.1 A radar system like GTA Online Trackify App.
- 6. Military Group services will receive cell phone data.
- 7. Additional component(s) added: Agent 14.
  - 7.1 It is implied Agent 14 would use the spy satellite and the Trackify App to track players for various in-game tasks.

The spy satellite can also be used to connect and add other types of DLCs.

An "Aquatic DLC" focusing on the billionaire lifestyle of expensive yachts, high-end illegal contraband, and power business deals gone bad could be one of many choices.

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### Spy Satellite System Data Flow – Cellular Phone Access and Targeting Data Flow Between Components – Merryweather Security Services – New Feature – Remote Airstrike

Targeting Data Flow: In and Out Data Flow: In and Out

To highlight the robustness of adding a spy satellite to GTA Online, the Merryweather Security Services have been connected to the spy satellite. A new service that could be offered is a Remote Airstrike. The components are as follows:

- 1. The player's in-game cell phone.
- 2. The newly added spy satellite icon linked to the in-game cell phone.
- 3. The mobile phone's Contact's List.
- 4. The newly added spy satellite.
- 5. The newly connected Merryweather Security Services.
- The new service enabled by Merryweather Security connecting to the spy satellite.
  - 6. The new service is a Satellite Guided Airstrike (remote airstrike).

If connecting Merryweather Security Services to the spy satellite is not possible, the newly proposed Military Group, can offer a Remote Airstrike to the players.

The Military Group icon is shown below:



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