

Becoming a GTC Power User

Purpose

To expose the audience to advanced Ground Traffic Control (GTC) reports and features, as well as provide visibility into Zonar's supported API calls.

Advanced GTC Usage

We are calling these reports 'advanced' not necessarily because they are more difficult to use or complicated in nature. Rather, these features are considered advanced because they offer additional insight or details beyond what the average GTC user requires during their daily use.

Admin Reporting

Many of the most commonly used Manage types (assets, users, drivers), as well as Zones, Attributes, and more, may be **imported**. This can save a lot of time if you expect to be adding, editing, or setting inactive large numbers of assets/users/drivers.

User Roles are an effective way to group new and existing users together by permission level. Permissions are extremely configurable by admin-level users. They can be used to control access to GTC reports, as well as messaging, add/edit rights, and more.

The **ZFuel** admin page enables you to customize the thresholds and calculations used in Zfuel report data. If your fleet relies on ZFuel, it's worth setting your account-wide tolerances.

GPS Track & Trace

The **GPS Unit Health** report can be extremely useful for heading off potential issues. The Show/Hide Columns icon on the left-side of the page reveals a huge number of column options. Read the Help documentation linked to from the page for full details on each column. Some particularly useful: Cold Start, SPOC > 10MPH, ECU VIN, Battery.

Fuel, Diagnostics & Usage

ZFuel is a powerful tool that can be used to measure and track assets' fuel efficiency. There are many beneficial datapoints available through this report. Using the same Show/Hide Columns icon as

mentioned above, a user can get a comprehensive view of fuel usage efficiency. Please note that for this report relies on an ECM connection and appropriately set parameters (from the ZFuel admin page).

Alerting

There are two different types of alerting in GTC: EVIR alerts (Manage -> **Manage Alerts**), and ZAlerts (Manage -> **ZAlerts**). EVIR alerts can be set up to send emails alerts if EVIR are submitted with critical defects. ZAlerts are more customizable. These can be configured to send text or email alerts if many, many different conditions are met. One important thing to note about ZAlerts is that each asset may only have one ZAlert configuration assigned to it at a time. Within a configuration, separate alert categories may be assigned to separate vehicles. This can be a bit tricky to understand at first, but the Support documentation (from the Manage -> ZAlerts page) provides a more detailed explanation.

Zonar API

As a Zonar customer, you have the ability to access your data through methods outside of GTC. Zonar provides and maintains an API for this purpose. APIs can be useful for connecting applications and creating custom reports. Our API is implemented as a set of Remote Procedure Calls over the CGI protocol, so it returns HTTP via CGI. Using GET, each call is defined by parameters to define intent.

For example, to get a list of all assets in your account:

```
https://omi.zonarsystems.net/interface.php?customer=[account_code]&username=[username]&password=[password]&action=showopen&operation=showassets&format=xml .
```

If you wanted to narrow the results to particular location, you could include the 'location' parameter:

```
https://omi.zonarsystems.net/interface.php?customer=[account_code]&username=[username]&password=[password]&action=showopen&operation=showassets&location=home&format=xml .
```

To access the API, you'll be required to provide login credentials to the Ground Traffic Control (GTC) account you're attempting to access. These credentials are controlled in GTC (username and password). It's important to note that the username is not the same as the email address used to log-in to GTC. To find the username, go to Manage -> Users -> Edit. The API password is usually the same as a user's GTC password, but it may be different. It is also controlled through Manage -> Users -> Edit.

Full API documentation may be found through Zonar's support site. For most Zonar API utilizing production applications, we recommend you first consult with integrators@zonarsystems.com