

# Web Services Release Notes

## October 2021

## What's New in AIR Web Services for 2021

AIR has updated the following web services for Touchstone 2021:

- AIR Hazard Analysis Service
- AIR Loss Analysis Service

### *AIR Hazard Analysis Service*

The AIR Hazard Analysis Service is an AIR web service (AWS) that you can use to determine how susceptible a property is to catastrophes in the United States.

We have updated the data underlying the following hazard profile parameters for locations in the United States:

#### *Flood Profile*

- FEMA BaseFloodElevation: Updated the elevation data, which specifies the elevation of surface water in feet resulting from a flood that has a 1% chance of being equaled or exceeded in a given year.
- FloodZone FEMA: Specifies the Federal Emergency Management Agency (FEMA) flood zone category. Updated the digital data in Digital Flood Insurance Rate Map (DFIRM), including zones, texts, and geographic data.
- Flood Model Elevation: Updated the Model Elevation parameters to match the model elevation data defined in AIR Inland Flood Model.

#### *Tropical Cyclone Profile*

- Flood Model Elevation: Updated the Model Elevation parameters to match the model elevation data defined in AIR Inland Flood Model.

### *AIR Loss Analysis Service*

We have added support for new Marine Cargo construction and occupancy codes in AIR Web Services to match with Touchstone 2021 release. The Marine Cargo construction codes are paired with Marine Cargo occupancy codes.

Highlights include:

- New occupancy codes ranging between 1001 and 1012 for defining hazards in Marine Cargo line of business (LOB).
- New construction codes ranging between 2701 and 2720 for defining construction related hazards in Marine Cargo LOB.

For more information, refer to the following material available on the [AIR Client Portal](#):

- AIR Loss Analysis Service user guide
- AIR Hazard Analysis Service user guide
- Touchstone Release Notes
- AIR Hurricane Model for the United States
- AIR Inland Flood Model for the United States
- Touchstone Exposure Data Validation Reference.

### *Known Issues*

AIR has identified the following known issues:

#### *Hazard Analysis Service*

- In terrorism profiles, the nearest target and distance to the nearest target values can differ from the corresponding values in Touchstone. AIR has observed differences of .01–.09 miles for the distance value.

#### *Loss Analysis Service*

- If an exact address or latitude and longitude pair for an exposure is not provided, then the service may return different loss results than returns. The difference occurs because Touchstone filters out some perils from loss analyses on low-resolution location data and the service does not filter them out.
- For return periods (RP) with small losses, the service does not return RP data.

#### *Notes on Address Service*

- If only country and subarea information are supplied for a location, the services cannot geocode the location. The error occurs because subareas are not unique across countries. For example, two states may include the same county.
- For service requests address section elements:
  - Either a street address or latitude/longitude data must be provided.
  - If the component of the street address is unknown, then leave that element empty. AIR does not recommend using x or other default values for unknown address elements.
  - If the latitude or longitude for the location is unknown, then leave that element empty. Do not use 0 for these latitude and longitude elements.