

AIR Typhoon Model for Japan



Release Information

Date June 2021

Software • Touchstone 2021
• Touchstone Re 2021

Model Details

Domain	Japan archipelago
Perils	<ul style="list-style-type: none"> Winds of tropical storm force or higher Tropical cyclone-induced precipitation flood Storm surge
Model Resolution	<ul style="list-style-type: none"> Wind – 1 km Flood – 25 m Storm surge – 25 m

Touchstone Geographic Resolutions

- Prefecture
- JIS code area
- Yubin
- Sompo code
- User-specified geocode

Touchstone Re Lines of Business

- Residential
- Commercial/Industrial
- Mutual
- Auto

Supported Construction / Occupancy Classes

Construction	62 classes
Occupancy (including Large Industrial Facilities)	116 classes

Stochastic Catalog(s)

10,000-year catalog

Stochastic Event IDs

Event IDs remain unchanged.

Historical Event Set

21 events

World Scenarios Event Set

4 EDS

- Typhoon Vera No Levees
- Typhoon Wind Kyushu
- Typhoon Wind Tokyo
- Typhoon Flood Tokyo

1 RDS

- Typhoon Vera

Supported Secondary Risk Characteristics¹

- Custom elevation
- Custom standard of protection
- First floor height
- Floor of interest
- Foundation type

Industry Exposure Database

Vintage	2020
Resolution	125 m

Intensity Parameter(s)

- Wind – 1-min sustained wind speed at a height of 10 m above ground
- Flood – Inundation depth
- Surge – Effective inundation depth

Geospatial Layers

- Selected storms in the historical event set
- EDS and RDS events
- Wind footprints for selected return periods

¹ Supported for the flood and storm surge sub-perils only.