Network
Case

Flight
Schedule

Capacity
Scenario

Capacity
Sub-
Scenario

Information
Regime

Algorithm
Choice

Simulation
Index

Regional Air Traffic
Network (airports, waypoints,
routes, SIDS, and STARS)

FF-ICE Release Level (R0 or
R1) by FIR, Information
Regime, and Airport Pair
Collaboration

Capacity Envelopes by
Airport and Time of Day (max
arriavls, max departures,
max operations) by Scenario
and Sub-Scenario

Transit Capacities by
Waypoint and Time of Day by
Scenario and Sub-Scenario

Flights Database (OAG)

Flight Paths by Origin-
Destination Pair

Initialize Simulation Run

NETSIM-11

Simulation data
(network capacities,
information regimes)

Number of Steps
to Run

Number of Steps
Left to Run

Run Single Step of Simulation

NETSIM-12

Simulated Completed
Flights by Simulation Index

Simulation Data
Updated with Active
Flights and
Trajectories

Save Simulation Data

NETSIM-13

NETSIM 1: Run FF-ICE Simulation