Mix Supply Network is part of the eVSM Mix edition and is a specialized supply network stencil designed to visualize and perform “what-if” investigations to help improve the cost and lead time aspects of the MIX supply network.

Applications built on the MIX engine remove the ‘averaging’ of products, demand, activity times, and routing that make many mixed model maps difficult to create and of limited value. The benefits of the MIX engine can be summarized as:

**Speed**
- Less work to create the Supply Network and update it
- Avoid creating separate Supply Network’s for product variants
- Avoid creating separate Supply Networks for regional destinations

**Comprehension**
- Make it easy to SEE Supply Network overall
- SEE the individual product lead times, routings, landed costs

**Insight**
- Visualize the key metrics
- Choose the best improvements

The technical concepts addressed by the Quick Supply Network stencil are shown below.
Quick Mix Supply Network Example Map with Features

- **Risk**: Manage and view the risk in the supply network
- **Data Visibility**: Use hide/show to simplify the map but support the necessary analytics
- **Multiple Routes**: Map multiple routes for multiple products
- **Lead Times**: Understand lead times and responsiveness
- **Quantity Convertors**: Understand supplier parts and assembly quantities

**QuickMixSupplyNetwork Example Map with Features**

- **Title**: Hobbiton Auto Parts Supply Network
- **Date**: 4/15/2020
- **Revised**: 4/27/2020

**Features**:

- **Alternate Supplier**
- **Manage and view the risk in the supply network**
- **Map alternate supplier strategies**
- **See the costs per period from different sources building to the delivered cost**
- **Map impact of demand of sub-components and final products on value stream**
- **Map multiple products and routes on the same model**
- **Utilization**
- **Manage and view the risk in the supply network**
- **Utilization Chart**
- **Utilization Legend**