Supply Chain Mapping Programme

Supporting transparency and continuity in the automotive supply chain
Welcome to the Supply Chain Mapping Programme

Global OEMs have launched a Supply Chain Mapping Programme that supports organisations throughout the automotive supply chain to create transparency and manage supply continuity.

The Programme creates supply chain maps using an online platform which is accessible to all participating organisations.

The supply chain mapping platform is used by OEMs and their suppliers to support supply risk management and mitigation. By gaining visibility of product and component supply routes, the Programme enables organisations to be prepared for possible future impacts and ensure their customers are unaffected if an event occurs.

The Supply Chain Mapping Programme uses a common platform via supplierassurance.com and also a collaborative approach to supplier engagement and data entry to minimise the resources required to support the Programme. This document provides more information about the Programme, its outputs, and how your organisation can take part.

Why are global OEMs and their suppliers mapping supply chains?

Recent natural disaster events have threatened lives and severely disrupted economic activity worldwide. These events include hurricanes and tropical storms in the Atlantic Basin, major earthquakes in Italy, Mexico and Turkey, and severe flooding in India.

These types of events can impact manufacturers throughout the automotive supply chain, either by directly disrupting production at a location or disrupting the supply of components throughout the chain. The Supply Chain Mapping Programme supports ongoing resilience planning and enables all stakeholders in the chain to understand the location and nature of disruptions.

All organisations taking part in the Programme will have visibility of any natural disaster events that could potentially impact their supply chain so they can take appropriate action to inform stakeholders and co-ordinate responses with their upstream suppliers.
What benefits can your organisation expect from the Supply Chain Mapping Programme?

We look forward to welcoming your organisation to this global Programme. By taking part, suppliers at numerous supply chain tiers are realising the benefits of having greater insight into the size and shape of their supply chain.

• Identify and map your supplier locations

Each OEM has identified a number of its tier one suppliers as strategic for supply chain mapping who have been invited to join the Programme. The Programme will continue mapping down the supply chain and all organisations will be able to identify and visualize their tier one suppliers on an interactive map.

• Identify and map your component supply chains

Supply routes and locations for specific components will be included on an interactive map to provide greater transparency. When displaying information on the map, organisations can select individual component supply chains and model their routes to understand potential supply continuity issues e.g pinch points.

• Alert organisations in the supply chain to natural hazard events

The supply chain mapping platform will overlay live information on natural hazard events on to the supply chain maps that are created. This will enable organisations to be aware of potential future impacts, including where disruption may threaten supply continuity.

• Ensure common understanding in the supply chain

Supply continuity is a critical issue for the automotive industry. Industry suppliers can only ensure that their components are available to customers in times of supply disruption by having a common understanding of the parties involved in the supply chain. Organisations that participate in the Supply Chain Mapping Programme are supporting innovation and transparency and are leading the automotive industry in this important area.
How does your organisation take part in the Supply Chain Mapping Programme?

As a participant in the Supply Chain Mapping Programme, suppliers are given access to the supply chain mapping platform - supplierassurance.com. In order to map the supply chain, a limited amount of data is required from suppliers about their products/components and their locations. Organisations in the automotive supply chain can provide this data directly into the platform and also invite their upstream suppliers to take part in the Programme and grow their supply chain map.

Global OEMs have selected NQC as the technology partner for this Programme. NQC provides a Software-as-a-Service solution (SaaS) to map the supply chain and co-ordinates data collection from suppliers. The objective is to ensure that suppliers can participate in, and gain benefit from the Programme, with a minimal commitment of time and resource.

The Supply Chain Mapping Programme uses the existing supplierassurance.com platform, run by NQC for the global automotive industry and its assessment of supply chain sustainability. By using the platform, organisations can benefit from re-using their existing log-in credentials and be able to combine supply chain mapping with other activities, such as completion of the SAQ (Sustainability Self-Assessment Questionnaire).

The key steps in the process are as follows:

1. **Confirm your organisation's product/component and location information**
   An OEM (or one of its suppliers) will invite you to participate in the Supply Chain Mapping Programme. They will provide information about the product/components your organisation supply and the locations they believe you use to supply each one. One or more points of contact in your organisation will be nominated to interact with the platform. These individuals then need to confirm whether the information provided is correct by logging in to the platform. Each point of contact will receive an email with instructions on how to register and complete the requested information.

2. **Provide upstream supplier component information**
   Once your organisation has confirmed its own product/component information, the next step is to submit information on the platform about upstream components used in your manufacturing process and the related suppliers. This step enables mapping of the supply chain to the next tier.

3. **Invite sub-component suppliers to take part**
   Once the next tier of upstream suppliers has been identified, the Programme requests that your organisation sends invitations to your identified suppliers to participate in the Supply Chain Mapping Programme. Invitations to each point of contact responsible for these components can be sent via email using the Platform. This is an automated process and NQC will then support each upstream component supplier to access the platform and take part in the Supply Chain Mapping Programme.

   Please note: The Programme's technology partner, NQC, will provide template communications which you can send to your suppliers to help gain their engagement.

4. **Access your supply chain map**
   Your organisation will be given access to the supply chain mapping visualisations within the platform that are created from the described process. You can use this to view a map of your supply chain which includes a range of features such as country risk and natural hazard indicators.

supplierassurance.com
What data will your organisation be asked to provide?

To start the process, your buyer (OEM or sub-tier supplier) provides information into the platform about the components your organisation supplies and the locations which these components are shipped to and from.

As a participating supplier, the buyer requires the nominated points of contact at your organisation to check this information, confirm it is correct, provide the additional information requested (see below) and finally add the relevant sub-component information to enable the onward engagement of the next tier of suppliers in the supply chain.

The key data fields contained within the request include:

- Component Name/Part Number/Description
- Supplier Location Address

Additional optional data fields that would be helpful for your organisation to provide include:

- Ship From Location DUNS Number
- Ship From Location Purpose e.g. distribution, manufacturing
- Shipping Method
- Component stock level (average stock level held per month)
- Component shipping level (average monthly volume that is shipped from the Supplier Location)
- Component manufacture level (average monthly volume that is manufactured from the Supplier Location)
- Component capacity level (manufacturing capacity of Supplier Location as a percentage of global manufacturing capacity for the component)

When your organisation’s points of contact are engaged they can provide confirmation of the data fields, make required amendments or query them if required.

The process also requires that your organisation then provides data on the relevant sub-component information relating to your components and to provide details about their suppliers. The key data fields that your organisation will be asked to provide include:

- Supplier Organisation
- Component Part Names/Numbers
- Supplier Location (address details)
- Supplier Contact Details (name, email address, phone number)

By providing this information, the process then repeats and your suppliers are contacted to confirm the details you have provided about them.

Next Steps

To confirm your organisation’s participation in the Supply Chain Mapping Programme, please reply to the invitation email you received.

NQC will then contact you to confirm your organisation’s participation, and arrange to engage with all relevant points of contact that can verify the component information that has been provided to the Programme.
Who will have access to your organisation's data and where will it be stored?

All relevant stakeholders in the Supply Chain Mapping Programme (OEMs, suppliers and NQC) understand that information is fundamental to the success of the Programme, and its protection and security is essential for the well being of all participating organisations.

Information which is provided to the Supply Chain Mapping Programme will be used solely for the purpose of supply continuity planning and will be subject to all relevant data security/privacy regulations. The Acceptable Use policy and Terms of Use for supplierassurance.com also ensure that all organisations joining the Programme are bound by all applicable local, national and international laws or regulations.

NQC has developed and implemented an information security management system which underpins the Supply Chain Mapping Programme and all data submitted via the supplierassurance.com platform. This management system is ISO27001 certified and includes robust technical controls to ensure the highest levels of security in data handling and storage.

- ISO 27001 Certified
- Secure hosting in the EEA, in accordance with relevant data protection regulations
- Encrypted data storage
- Full user control over all data entry, changes and right to deletion
About NQC

NQC is a leader in supply chain risk management and works with thousands of organisations worldwide. We combine innovative technology with proven expertise in risk assessment, to help protect our clients and create value throughout their global supply chains.

NQC’s award winning solutions have been used by some of the most responsible and valuable global brands for over 12 years. We currently work across several industries - including Automotive, Government, Aerospace and Defence, Information Technology and Manufacturing – and collect and analyse data from Europe, The Americas and Asia Pacific.

NQC was approached by leading OEMs in early 2013 to develop a common supply chain solution for the Automotive Industry. The Common Technical Platform was launched in April 2014 to support sustainability in automotive supply chains. NQC has built close working relationships with OEMs and suppliers across the industry, developing a long term-approach to enhance risk management and transparency.