

# Simulation Model Request - Information for Suppliers

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# Introduction

Nokia is implementing virtual verifications in a more comprehensive way in the product development. In order to verify product functionalities in virtual space, valid simulation models are needed.

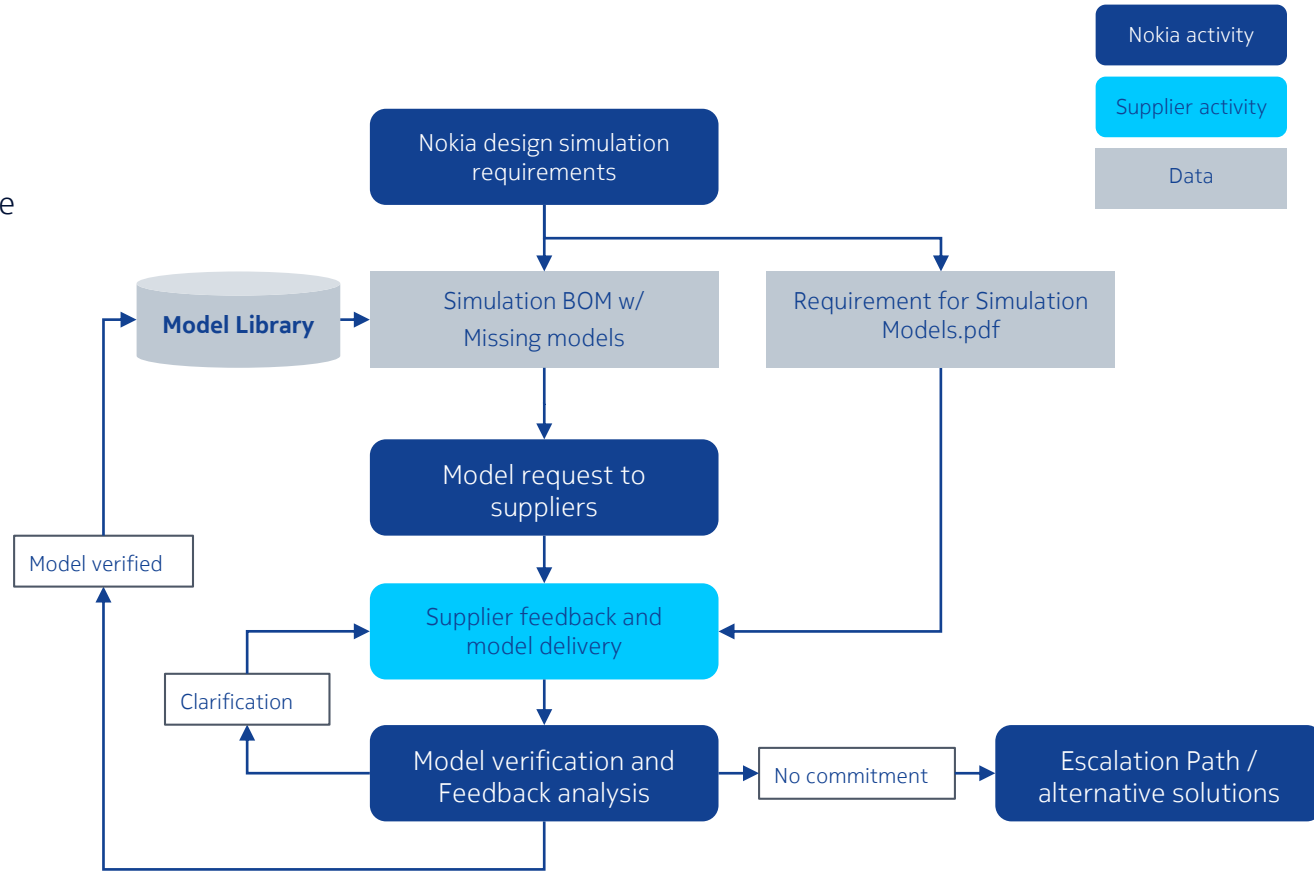
Nokia has defined a model request process in order to have a fluent and predictable way of working between Nokia and the suppliers.

The main goal for the ramping up of the virtual verification is to provide better time-to-market and a shorter product development cycle for Nokia products.

This document will explain and guide you through this process.

# Process overview

- The Nokia model request process is based on a real product structure that is developing as the design matures.
- With this product structure and a model library a simulation BOM is structured that has the information about the model status associated with each component code.
- All the needed models in the simulation BOM are composed as model requests by Nokia.
- Detailed requirements are in *Requirement for Simulation Models.pdf*.



# SharePoint sites for simulation model handling

## 1. Supplier - Nokia private sites

Sites are managed by Nokia MN Strategic Sourcing. Site content comes only from suppliers.

No Nokia content on site.

Access to this site is limited to named supplier contacts and Nokia Procurement/-R&D and simulation experts only. That models are then processed in Nokia simulation environment with limited access to R&D personal.

The link to your page is included in your request mail.

[e.g. Simulation Models - Supplier - Home \(sharepoint.com\) \(no active\)](#)

## 2. Simulation Model Guide

Site is managed by Virtual Platform R&D. This is a common site for all suppliers. On this site you can review and download the relevant documentation, model specifications, detailed requirements etc.

Access to this site is limited to named supplier contacts and Nokia Virtual Platform admin (R&D+Sourcing)

Simulation Model Guide can be found via this link:

[Simulation Model Guide - Document-\(sharepoint.com\)](#)

# Documents for communication

## 1. Simulation Model Request (EXCEL file)

Simulation Model Request is a list of a components with the exact models needed for the components in each domain. It lists

- Nokia Code
- MEP (manufacturer equivalent part) info
- Manufacturer info
- Part family
- Simulation model needed – Type and level (e.g. IBIS SIML1)
- Nokia R&D Support person info
- Delivery status and commitment data – to be filled by the supplier

## 2. Model specifications (SharePoint site)

Describe the actual requirements for the specified model type. In model specifications there are also guidelines for the suppliers if specific naming is needed for the models and how to rate the level of the model being requested.

There may as well be different specifications according to part family in scope. Latest model specifications are stored in a place where the supplier has also access.

This location will be also shared in model request email.

Simulation Model Guide can be found via this link:

[Simulation Model Guide - Document-\(sharepoint.com\)](#)

# Instruction for handling the model request

## 1. Requested Models are available on SharePoint Folder “Model Request Files” and visible in the Simulation Model Request file (EXCEL)

This file includes all needed model requests of all relevant components for the current project. There are 3 Sheets existing per file

- Cover Page:** Common info as e.g. Project Name, Nokia contact person
- Info Page:** Link of the Simulation Model Guide Site, detail information about the simulation model type request and examples for simulation model delivery lead time- entries
- Model requests:**
  - List of all relevant component information (column A-D, header row highlighted in yellow)
  - Requested simulation models/types (column E-P, header row highlighted in grey)
  - Nokia R&D Support person (column Q-S, header row highlighted in blue)
  - Supplier filled information (column T-AI, header row highlighted in orange)

## 2. What we expect from supplier

- Identify the simulation model type and level, for your help see “Info Page” sheet of the EXCEL file or look up on your Supplier - Nokia private site: Image “Here you can find the guide”

Requested simulation models											
2R	3D	3D_EM	3D_Thermal	Behavior	CTM	DELPHI	IBIS	IBIS-AMI	SIMPLIS	S-parameter	SPICE
							SIMLO			SIML1	
X											

# Instruction for handling the model request

## **Upload of requested model files on SharePoint:**

- uploading of available models: please use your private Nokia Model site and the folder “Simulation Models”- type folder e.g. IBIS
- File name of uploaded files shall be self explanatory
- Unencrypted file is preferred
- In case of multiple files for one model use zip packing to combine all models into one file. Single file models are to be uploaded unpacked

## **Update of EXCEL Simulation Model Request files on SharePoint:** “Folder “Model Request Files”

Supplier filled information (columns T-AI, header row highlighted in orange)

### **Required Entries:**

**Update Date:** please always enter or update the date (dd.mm.yyyy) after each change in the line

**Available:** for uploaded models

**Date:** if models are not yet available, please enter the estimated delivery date (dd.mm.yyyy)

**Not committed:** if you are not able to provide the requested model then please also enter any comment in Note field (column AI).

**Info:** If you recognize requested models are for a part which is a legacy component and you have better alternative available, please inform the Nokia R&D Support contact.

# Q & A

**1. Q: Nokia is requesting a model which we do not have, what should we do?**

**A:** Let the sender of this request know what model you do not have. If you have any alternative components available for which you have the model, please inform your Nokia contact about those.

**2. Q: What happens if we are not able to provide a model that Nokia is requesting and do not have plans to develop such a model?**

**A:** According to the process Nokia will do risk evaluation which may lead to the component to be replaced with another one.

**3. Q: How much time do we have to provide the model?**

**A:** Of course, Nokia would like to get models as soon as possible. In case of models not yet available deliveries should not take more than 12 weeks, even if it needs to be created from the scratch.

If the lead time lasts longer please inform your Nokia sourcing contact as soon as possible.

**4. Q: Nokia is requesting certain types and level of models, what are these requirements based on?**

**A:** All the model requests have actual use cases (simulation cases) planned, so there is a real need for the model. Nokia is always requesting the minimum level of the models to be able to run specified simulations.

**5. Q: Why can Nokia not check what is available on supplier site and only request the models that are not available?**

**A:** Nokia wants to have clear visibility with each supplier what is available and what is not. Also going through all the different supplier's websites by our designers is very time consuming and the information needed is not always available in the supplier's site.

**6. Q: If we only have encrypted file available?**

**A:** Refer to applicable Model Specification. Unencrypted file is preferred.



# Q & A

## 7. Q: What to do if a new version of file is available?

**A:** Please don't overwrite or remove uploaded files resp. don't replace the old model file with the new version file under the same file name!  
Grant that each model type and version is visible and unique in the file name.  
File name of uploaded files shall be self explanatory.

## 8. Q: What to do if a wrong file was uploaded?

**A:** Please upload only the requested model file and do not supply not needed simulation models.  
You have the permission level to view, add, update and delete files in the private folder.  
In the case you uploaded the wrong files then please delete and replace it with the correct one.  
Please make sure you are only uploading the requested and needed files.

**NOKIA**

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