Nokia Siemens Networks

470318A
Nokia Flexi EDGE Base Station, Rel. EP1, Product Documentation, v.1

Guide to Nokia Flexi EDGE BTS Documentation

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Summary of changes

Changes between document issues are cumulative. Therefore, the latest document issue contains all changes made to previous issues.

This is the first version of this document.

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1 Available documentation for Nokia Flexi EDGE BTS

1.1 Nokia Flexi EDGE base station documentation

Table *Nokia Flexi EDGE base station documentation sets* lists the available documentation for Nokia Flexi EDGE base station.

Table 1. Nokia Flexi EDGE base station documentation sets

Name of documentation set	Available formats	Available from	Description of the documentation set
Nokia Flexi EDGE Base Station, Rel. EP1, Product Documentation, v.1 or later	Downloadable NED Browseable NED	NOLS Documentation Center	Provides product, unit and software descriptions, instructions on base station installation and upgrading, commissioning, maintenance, and monitoring.
	NED CD-ROM	Nokia Siemens Networks logistics system	
Nokia Flexi EDGE Base Station, Rel EP1, Release Documentation, v.1 or later	PDF	NOLS Documentation Center	Provides information on the new software release, test cases and results, and instructions on upgrading to new software release level.
Online help for BTS Manager	Online help	BTS Manager SW	Online help is embedded in the BTS Manager software and it includes general descriptions of user interface items, configuration procedures, and functionality descriptions.

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The documentation is available in Nokia Online Services (NOLS). The BTS variants are listed in NOLS Documentation Center, under:

- Product Categories > Radio Network > Radio Network Solutions > GSM/EDGE BSS > Base Stations >Nokia Flexi EDGE Base Station

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2 Delivery channels and media

2.1 NOLS

Nokia Online Services (NOLS) is a web-based service which provides easy and secure access to, for example, documentation, software, and online ordering for Nokia Siemens Networks customers, partners, and other associates. One of the services in NOLS is Documentation Center which is the primary delivery channel for all Nokia Siemens Networks documentation.

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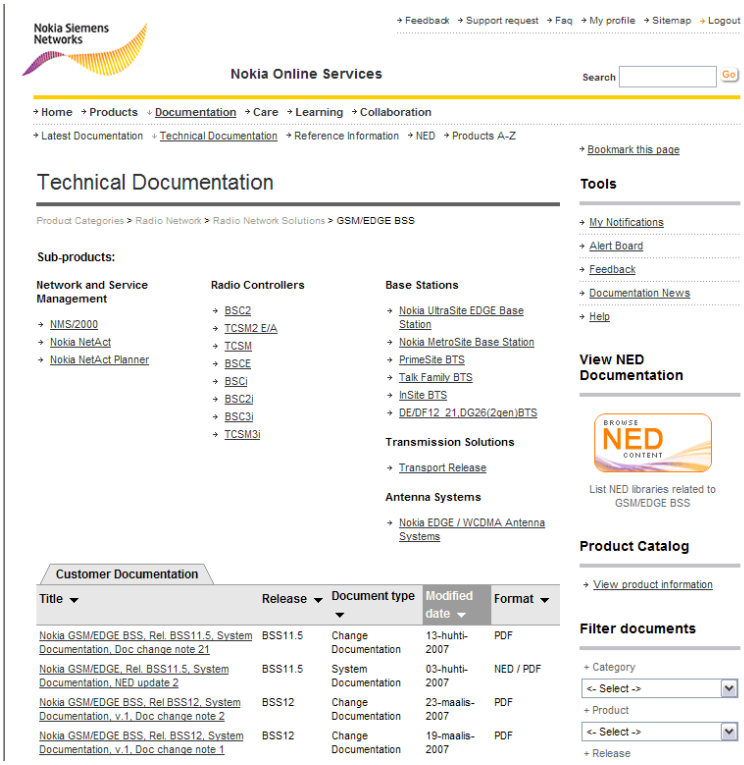

Figure 1. Various access methods to documentation in NOLS

NOLS Documentation Center

NOLS Documentation Center provides you the opportunity to browse and download documentation in many different ways.

- In the *Latest documentation* section, documentation from the previous four weeks is organised by publication date. If you are expecting a delivery, *Latest documentation* may be the quickest way to the document set.
- Under *Technical documentation,* all documentation that is available in Documentation Center is organised according to Nokia Siemens Networks product structure. Especially for heavy users of documentation of a given product family, the product-structure-based navigation may provide the best overview of the available range of documentation.

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The product structure is also the basis for the filtering functionality on the main page of Documentation Center.

- *Reference Information Service* is a web interface to a database where you can retrieve the most up to date reference information, that is, alarm, parameter, counter, and KPI descriptions.
- Clicking the *Nokia Electronic Documentation (NED)* link anywhere in NOLS brings you to a list of documentation sets delivered in NED. The same list can be reached by clicking the NED link on the top navigation menu. For more information, see section NED.

Figure 2. Nokia Electronic Documentation (NED) logo

- *Products A-Z* is a list of all Nokia Siemens Networks products in alphabetical order. Selecting a product in the list brings you to the document set list of the product.

NOLS Software Delivery

NOLS Software Delivery provides software downloads. The available software products are listed in the Software Catalog. Change Deliveries for software products are available as well.

2.2 Nokia Siemens Networks logistics system and ordering CD-ROMs

In addition to NOLS deliveries, Nokia Siemens Networks also provides CD-ROM deliveries.

Nokia Flexi EDGE Base Station product documentation NED is also available as a standalone 1 X CD-ROM package from Nokia Configurator. Release documentation and online helps are not available on CD-ROM.

The ordering process for Nokia Flexi EDGE Base Station NED CD-ROMs is the same as the ordering process for software and hardware deliveries.

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2.3 Software-embedded documentation

Embedded documentation in a software application usually means online help. Online help is available for the graphical user interfaces of the following Nokia Flexi EDGE Base Station software applications:

- BTS Manager

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3 Delivery formats

3.1 NED

The primary delivery format of all GSM/EDGE BSS documentation is Nokia Electronic Documentation (NED). NED is a software application for delivering documentation and viewing it in standard web browsers.

NED deliveries contain documentation in two formats: XHTML and PDF. In the XHTML view, content is organised in a modular fashion for easy browsing on the computer screen. In the PDF view, all content is assembled into downloadable and printable documents.

For more information on the features and use of the NED application, see NED guides and training material in NOLS Documentation Center, under Documentation News.

NED in NOLS

NOLS is the main delivery channel of NED documentation. There are two options for using NED documentation in NOLS: the browsable NED and the downloadable NED.

- Browsable NED

  Browsable NED allows you to browse documentation in NOLS without NED software installation. For opening browsable NED content, you need to navigate to the documentation set you wish to view and click the Browse NED content link (see figure *Browse NED content*).

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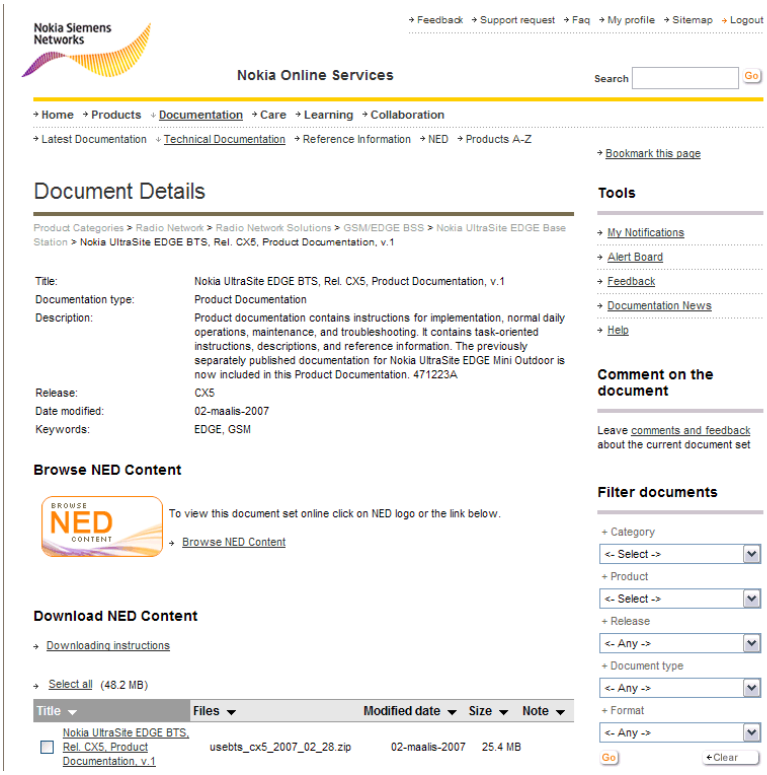

Figure 3. Browse NED content

- Downloadable NED

  Downloadable NED can be used if the NED application has been installed on your computer locally or is available on a server. This option allows the you to download NED files and integrate them among the previously installed NED documentation sets.

- NED Update Packages

  NED Update Packages are NED documentation sets that can be downloaded on top of an existing documentation set. With update packages, delayed or corrected content can be integrated to documentation sets that have already been delivered. Update packages can also be used to remove documents from existing documentation sets.

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Instructions for downloading NEDs and update packages can be found in NOLS Documentation Center on all NED delivery pages. Instructions for installing NED application software and the installation package itself can also be found in NOLS.

NED Update Packages are only available via NOLS.

NED on CD-ROM or DVD

NED documentation sets are also available on CD-ROMs/DVDs which can be ordered. For more information, refer to Nokia Siemens Networks logistics system and ordering CD-ROMs.

3.2 PDF

PDF format is always provided. The PDF documents of Product Documentation sets can be found in the PDF view of NED.

PDF-only deliveries are made, if documentation must be published very quickly. Typically, any pre-release documentation sets, site documentation sets, SW Release Documentation sets, and change documentation is published in PDF format.

3.3 Online helps

For some GSM/EDGE BSS software products, context-sensitive online help is available. The online help is accessed from the graphical user interface of the SW product. The help provides information on the dialogues, windows, and functions of the software product in question.

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4 How to find the information you need in Nokia Flexi EDGE BTS Product Documentation

The documentation set at hand is the Nokia Flexi EDGE BTS Product Documentation set.

The Nokia Flexi EDGE BTS Product Documentation set describes in short the installation, maintenance and commissioning of the Nokia Flexi EDGE BTS product.

The following are the main sections of Nokia Flexi EDGE BTS Product Documentation showing the top-level structure of the documentation set visible in NED browser:

4.1 About this publication

The content in this category describes the document set currently at hand and explains the conventions used in it. It also helps the users to find the topics they need and to use the document set quickly and efficiently.

4.2 Descriptions

The content under the Descriptions heading contains higher-level description of the BTS and its main features, but also detailed descriptions of the BTS functions, hardware architecture, and operation and maintenance features as well as module and optional unit descriptions.

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4.3 Instructions

Step-by-step instructions for completing specific tasks are arranged according to operator processes ranging from installing to measuring. The step-by-step instructions are based on the actual goals of the user rather than on product functions.

Instructions do not usually contain any further details on, for example, parameters or performance measurements, but provide links to the Reference category where all the details are available.

The instructions are grouped under the following categories:

- *Plan* describes the steps necessary for planning and preparing the BTS site.
- *Install and upgrade* describes the installation procedure from unpacking the delivery to mounting the BTS to the wall or pole, for example. It also instructs how to install and upgrade the software of the BTS.
- *Commission* describes how to commission the BTS after it has been installed.
- *Optimise and expand* contains basic instructions for commissioning settings and configuration expanding, for example.
- *Trouble management* gives instructions for replacing faulty hardware as well as instructions for troubleshooting the BTS by using the internal log and various test functions.
- *Prevent failures* describes the routine maintenance tasks necessary for keeping the BTS in optimal working condition.

4.4 Reference

The Reference category contains detailed information that is relevant in several contexts and therefore often linked with other parts of the documentation:

- alarms
- site requirements
- technical data
- SW compatibility

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4.5 Legal and safety statements

The Legal and safety statements category contains legislation and safety related issues such as compliance and warnings and cautions.

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5 Documentation identification and versioning system

For identifying Nokia Siemens Networks documentation, documents are numbered, given a version and a language code. Documents that are published in draft status have a draft label.

Identification numbers and codes

Identification numbers and codes are used for identifying documents, parts of a document, or entire document sets (such as a NED library or a change delivery) uniquely, that is, one code is available for one document only.

Version

Edition and issue numbering enables you to differentiate between previous and current versions of documents. The higher the number, the more recent the copy is.

Language

Almost all Nokia Siemens Networks documentation is in English. For some documents or document sets, language variants are available. In such a case, the identifier, issue, and edition are the same for all language variants, and the differentiation between language variants is made via a language code. Language codes follow the ISO639 standard for names of languages.

Examples of language codes are *en* for English, *ru* for Russian, and *zh* for Chinese.

Status

The status part of documentation identification is only populated if the document is published at a time when its content is likely to change and, therefore, Nokia Siemens Networks cannot be held liable for the content. In this case, there is the word 'draft' at the end of the identification data.

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5.1 PDF document identification

The document number consists of two parts, namely the prefix DN, which stands for document number, and a running number which is unique for each document. An example of a document number is DN0495772.

The second part of the identification is the issue number which is used for versioning PDF documents. The number is incremented every time the content is changed. The third part specifies in which language the document is written. If the document is published as a draft, the word 'draft' is added.

All of the identification data can be found in the PDF footer. In figure *PDF document identification,* the code of the document is DN70260799, its issue is 1, and the document is written in English.

Figure 4. PDF document identification

5.2 NED online content identification

Each online (XHTML) page of NED libraries has its own identification data. It can be found by clicking the information icon on the higher right-hand corner of the main frame of each page (see figure *NED online content identification*).

Document numbers are used for identifying XHTML content as well. Edition numbers are used for versioning. Language codes are used for identifying language variants.

Document numbers of online pages do not correspond with PDF document numbers due to different level of granularity between the two formats. An online page roughly corresponds with a chapter in a PDF document.

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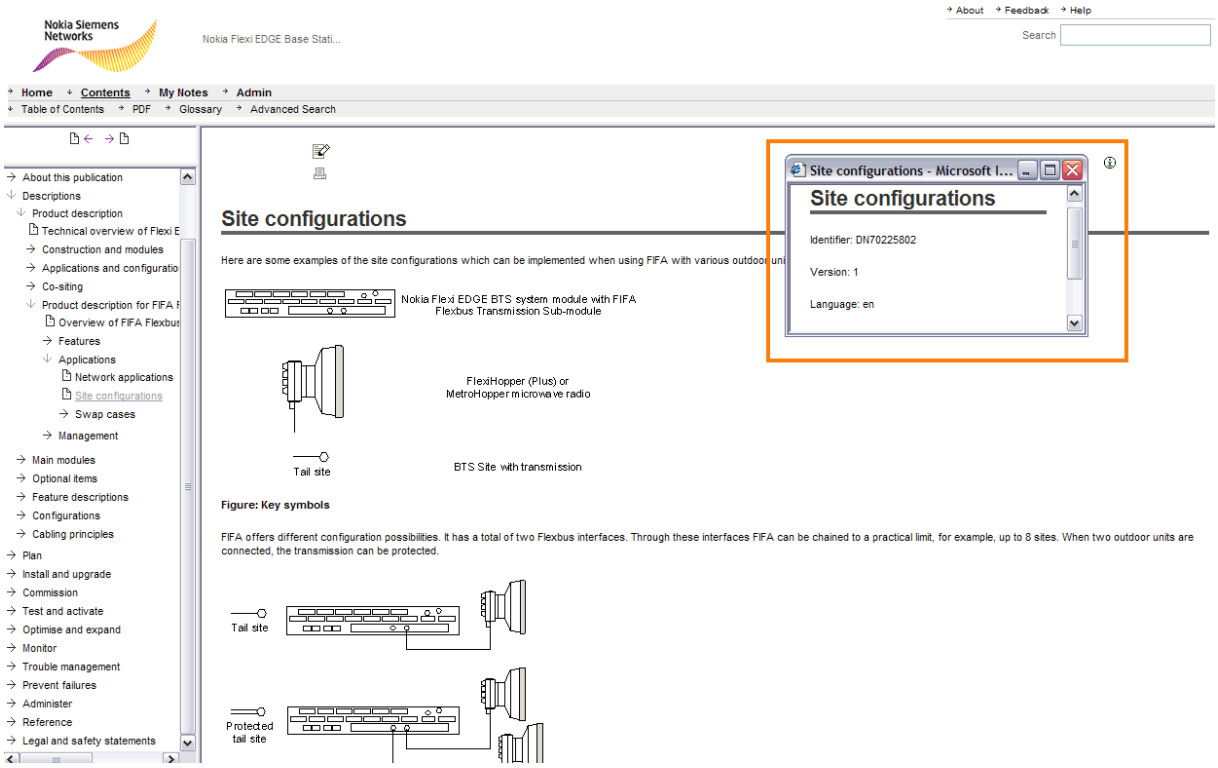

Figure 5. NED online content identification

5.3 Document set identification

Entire document sets do not receive document numbers but sales item codes. Examples of sales item codes are Flexi EDGE Base Station sales item code (for Rel. EP1) 470318A, BSC3119 (for BSC S12) and BSC3120 (for BSS12).

The sales item code of a document set is visible:

- On the cover page of each PDF document that belongs to the document set (see Figure Sales item code on PDF cover page).
- On cdconts.html page which is the starting page for downloaded PDF files.

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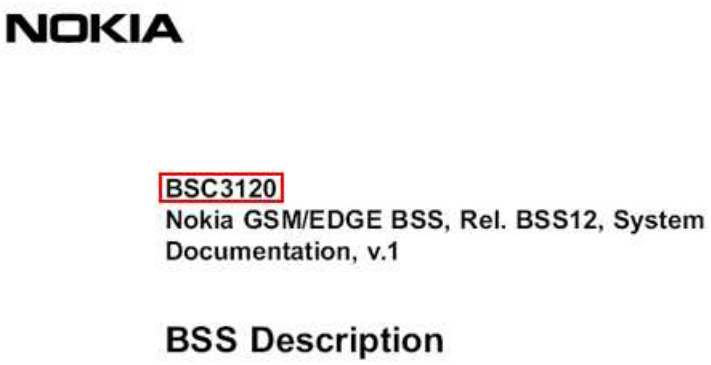

Figure 6. Sales item code on PDF cover page

NED libraries are versioned and the version information can be found at the end of the document set name. The publication date which is visible in NOLS Documentation Center in the Modified date field is the only versioning type of information for entire document sets.

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6 How to give feedback on documentation

6.1 Problem reporting

Documentation-related problems can be reported either to Nokia Siemens Networks Customer Contact Centers or via NOLS Helpdesk. In NOLS Helpdesk, service customers are given a direct access to the Electra service request tool where they can create, follow-up, and manage their company's service requests online. Documentation cases are processed according to the same principles as hardware and software cases.

Submit a problem report via NOLS HelpDesk (Electra) or to your local Nokia Siemens Networks contact when:

- Information is incorrect
- Information was not found, or it was difficult to find it
- Documents do not open or show correctly, links do not work, you have problems in downloading NED software, NED libraries, or PDFs
- Information is not detailed enough, information is missing or it is inconsistent
- Information does not support the use of the product

If possible, add the following details into your report:

- Document set title and version
- Document title
- Document number
- Document issue

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6.2 Giving feedback

In case you wish to ask something about documentation or communicate a development idea, but not report your feedback as a fault, several channels can be used for providing the feedback.

Comment on the document

The document set specific feedback form in NOLS is the best feedback channel if you have comments on one document set in particular. A *Comment on the document* box is located on the right-hand frame of each Document details page (see figure *Commenting on a specific document set in NOLS*). Clicking the *comments and feedback* link opens a form where document set identification data is filled in automatically, and you can simply type in the message and submit the form.

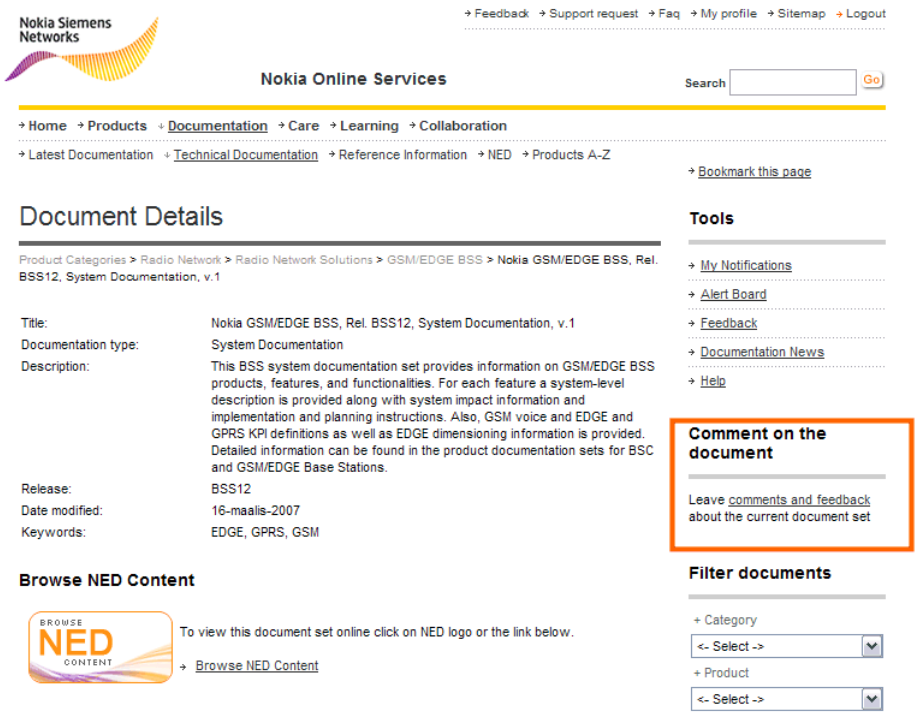

Figure 7. Commenting on a specific document set in NOLS

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NOLS Documentation Center feedback

A *Feedback* link is located in the top navigation bar and right-hand frame Tools box of each Documentation Center page (see figure *Feedback link in NOLS Documentation Center*). Click the link, fill in the feedback form, select Technical documentation service and submit the form.

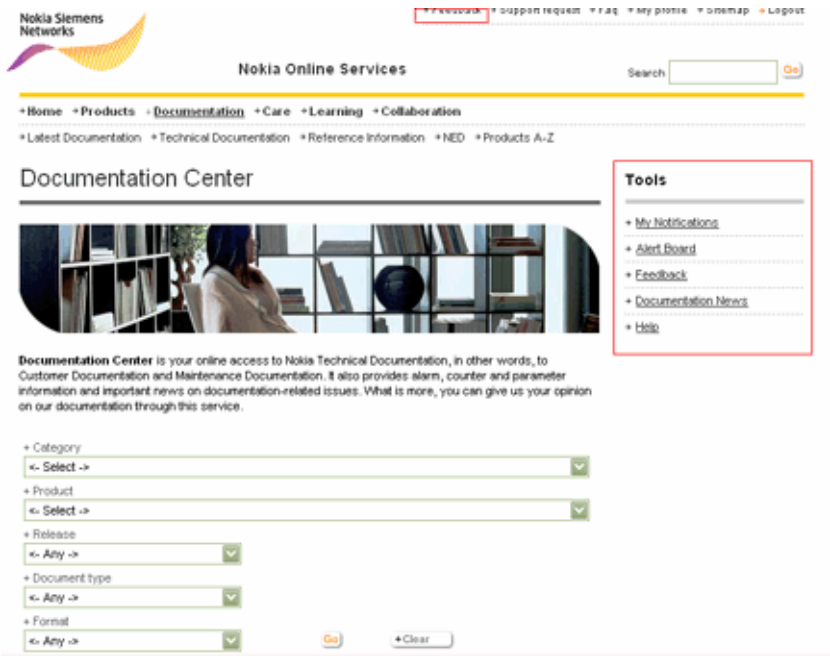

Figure 8. Feedback link in NOLS Documentation Center

NOLS Support

Any feedback related to NOLS or any content that can be found in NOLS can be sent to NOLS Support (nols.support@nokia.com). You find guidance and the email address by following the *Feedback* link. The link can be found on each NOLS page on the upper right corner.

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