



SECURITY

# *Administrator's Guide*

## *RSA SecurID for the Nokia 9210 Communicator*

This document explains how to activate and administer RSA SecurID software for the Nokia 9210 Communicator. It includes descriptions of the RSA SecurID package contents and documentation.

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**Note:** The procedures in this document refer to buttons, keys, and menu items on the Communicator as they are named for the English language. The names of buttons, keys, and menu items on Communicators that are designed for other languages will be different than the names used in this document.

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### Package Contents

This package contains:

- One diskette that contains one or more batches of RSA SecurID token records. Each batch of token records is contained in a file with the extension **.ASC**. Import these token records to the RSA ACE/Server database. For instructions on how to import token records, refer to the RSA ACE/Server documentation.
- One *RSA SecurID for the Nokia 9210 Communicator Activation Licenses* diskette that contains one or more batches of activation licenses. Each batch of activation licenses is contained in a file with the extension **.SAL**. There is one file of activation licenses for each file of RSA SecurID token records. For example, **FILE1.SAL** contains activation licenses that correspond to each of the token records contained in **FILE1.ASC**. Each line in an activation license file has the format **SecurID\_Serial\_Number: Activation\_License**. For example,

```
3314794 :AJ6K452Y6N2HSCT3YE69EB2DHSRH2
```

where the number preceding the colon is the serial number, and the number following the colon is the activation license.

Users must correctly enter their activation licenses into their Communicators in order to activate the RSA SecurID software.

- Documentation in print or **.pdf** format, described in the next section.

## Product Documentation

The RSA SecurID for the Nokia 9210 Communicator package includes the following printed documentation:

- *RSA SecurID for the Nokia 9210 Communicator Administrator's Guide* (this guide)

In addition, the *RSA SecurID for the Nokia 9210 Communicator Activation Licenses* diskette contains the following documentation files in **.pdf** format:

- *RSA SecurID for the Nokia 9210 Communicator Administrator's Guide* (**nokiadmn.pdf**)  
(This is the same document as the printed Administrator's Guide.)
- *RSA SecurID for the Nokia 9210 Communicator Activation License Installation Instructions* (**nokialic.pdf**)

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**Note:** In order to view **.pdf** files, you need Adobe Acrobat Reader. Acrobat Reader is available free of charge from [www.adobe.com](http://www.adobe.com). If you are using Adobe Acrobat Reader v 4.0 to print a PDF document, deselect the **Fit to Page** option in the Print dialog box to print the document at the correct size.

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For additional information about the Nokia 9210 Communicator, see the Nokia 9210 Communicator manual provided with the Communicator and the *RSA SecurID for the Nokia 9210 Communicator User's Manual* provided with the Communicator.

## Introduction to RSA SecurID Authentication

RSA SecurID for the Nokia 9210 Communicator is an authentication system that positively authenticates valid network users to networks and services that are protected by an RSA ACE/Agent. RSA SecurID for the Nokia 9210 Communicator provides the same two-factor authentication solution as all other SecurID products, combined with the convenience of the multi-functional Nokia Communicator. In addition, RSA SecurID for the Nokia 9210 Communicator enables secure connections to WAP-enabled services.

To access a network or service protected by an RSA ACE/Agent, a user must present a valid RSA SecurID PASSCODE, which consists of two factors:

- A secret, memorized personal identification number (PIN)

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**Note:** This is not the same PIN used to unlock the Nokia Communicator.

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- A current random number (known as the tokencode) that is generated by the RSA SecurID Software Token application

With a conventional security system, it is easy for someone to learn a user's password and use it to access protected networks or services. A two-factor system, however, ensures reliable identification and authentication by requiring something the user knows (the PIN) and something the user has (the RSA SecurID-enabled Communicator).

RSA SecurID security is built around a secret seed that is shared between the RSA ACE/Server and an RSA SecurID Software Token device. The RSA ACE/Server and the SecurID Software Token that resides on the Nokia Communicator generate matching tokencodes that change at a specified time interval (every 60 seconds). A tokencode, when combined with a PIN, results in a PASSCODE.

When a user accesses WAP-driven sites from the Communicator, the user can paste the PASSCODE into the protected sites. When a user accesses protected services and networks from a personal computer, the user types the PASSCODE when prompted. The validity of the PASSCODE is verified by the RSA ACE/Server.

## Installing and Enabling RSA SecurID for the Nokia Communicator on the RSA ACE/Server

To enable RSA SecurID protection for a user's Communicator, you must:

- Import the RSA SecurID token records into the RSA ACE/Server database.
- Create a record for the user in the database, and assign one of the token records to the user.
- Send the user the activation license that corresponds with the user's token record serial number.

After installing the RSA SecurID software on the Communicator, the user must correctly enter the activation license into the Communicator. Alternatively, you might want to install the RSA SecurID software and activation licenses on the Communicators before issuing them to the users, rather than instruct the users to install the software and licenses themselves. For instructions on installing the activation licenses on the Communicators, see *Installing an Activation License* on page 4.

The following procedure describes how to install and activate RSA SecurID on the Nokia Communicator. For more detailed information on administering the RSA ACE/Server, refer to the RSA ACE/Server documentation.

### ► To install and enable RSA SecurID for the Nokia Communicator on the RSA ACE/Server:

1. Import the RSA SecurID token records to the RSA ACE/Server database.

The Software Token files are on the token record diskette and have the extension **.ASC**. For instructions on how to import the token records, see the RSA ACE/Server documentation.

2. In the RSA ACE/Server database, create user records for each user, and assign each user an RSA SecurID Software Token.
3. In the RSA ACE/Server Database Administration application, list the user's record to display the user's assigned token serial number.
4. On the *RSA SecurID for the Nokia 9210 Communicator Activation Licenses* diskette, locate the activation license file whose serial number matches the serial number associated with the user's token record in the RSA ACE/Server database.

The activation license files have the extension **.SAL**.

5. Copy the activation license, paste it into a text file, and save the text file.

The activation license is the string of characters that follows the colon. For example, in the activation license file **3314794:AJ6K452Y6N2HSCT3YE69EB2DHSRH2**, the numbers **3314794** represent the serial number, and the characters **AJ6K452Y6N2HSCT3YE69EB2DHSRH2** represent the activation license.

6. Distribute the activation license to the user.

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**Important:** Because the activation license should remain secret from anyone but the user, distribute the activation licenses to the user in a secure manner. The most secure way to distribute an activation license is to print it from the text file using a local printer and mail it to the user. Instruct the user to destroy the printed activation license after successfully installing it. Although you can e-mail the activation license file to the user, or forward it to the user using SMS (Short Messaging Service), these methods are less secure and are not recommended. Store the diskette containing the activation licenses in a secure place.

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7. Distribute the *RSA SecurID for the Nokia 9210 Communicator Activation License Installation Instructions (commuser.pdf)* to the user. Distribute the documentation to users when you distribute their activation licenses.
8. Repeat Steps 3 through 7 to distribute activation licenses and documentation to each of the remaining users.

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**CAUTION:** Because SMS messages may affect the settings and the RSA SecurID functionality on the phone, users should accept only SMS messages that originate from a trusted source.

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## Installing an Activation License

To activate RSA SecurID on your Communicator, you must obtain an activation license from your administrator. The license consists of approximately thirty alphanumeric characters (for example, AJ6K452Y6N2HSCT3YE69EB2DHSRH2) that you must key into your Communicator.

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**Note:** The activation license used in the example is not a valid license.

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If you are installing an activation license for the first time, when you select SecurID, the Install activation license screen opens. If you are installing an additional activation license, the Generate Passcode screen opens.

### ► To install an RSA SecurID activation license on your Nokia Communicator:

1. On the keyboard, press **Extras**.  
The Extras menu opens.
2. Select SecurID, and press **Open**.  
If you have not yet installed an activation license, the Install activation license screen opens. If you have already installed one or more activation licenses, the Generate Passcode screen opens.
3. On the keyboard, press **Menu**, select **License**, and then **New**.  
The New Activation License dialog box opens.
4. Type a name in the Name field.  
You cannot leave the License name field blank or type a space as the license name. The license name can contain a maximum of 30 alphanumeric characters and must be unique.
5. Type your activation license in the License field.
6. Press **OK**.  
The message **New License Added** appears briefly.

## Troubleshooting

If a user cannot authenticate to the RSA ACE/Server

- Inspect the RSA ACE/Server logs to determine whether the user's token has been disabled because of failed login attempts.
- Make sure the time and time zone settings on the Communicator are correctly configured. Because the RSA SecurID algorithm is based on UTC (Coordinated Universal Time), it is vital that the time settings are configured correctly.
- Verify that the user is entering the correct PIN.
- Verify that the user has installed the correct activation license on the Communicator by viewing the activation license serial number on the Communicator, then verifying that it matches the serial number assigned to the user in the RSA ACE/Server.

► **To view the activation license serial number on a Communicator:**

1. On the keyboard, press **Extras**.  
The Extras screen opens.
2. Select **SecurID**, and press **Open**.  
The Generate Passcode screen opens. The Active license field lists the name of the activation license.
3. On the keyboard, press **Menu**.
4. On the License menu, select **Properties**, and press **Select**.  
The Activation license properties dialog box opens, listing the activation license serial number.

For additional troubleshooting information, see the RSA ACE/Server documentation.

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