

Programmes After Market Services  
Technical Documentation

# ***SERVICE MANUAL***

[NMP Part No.0275398 + Update 0275410 + Update 0275431 +  
Update 0275504]

## **NSW-1 Series Cellular Phones**

**NOKIA**

NSW-1 Issue 4 03/01

# Programmes After Market Services Technical Documentation

# Programmes After Market Services Technical Documentation

## Amendment Record Sheet

Amendment No	Date	Inserted By	Comments
	10/98		Original
Issue 2	03/99	O Juntunen	Introduction: 3 leaves
Issue 2	03/99		Service Tools: BTD3 dummy battery added; amendment sheet updated; repaginated.
Issue 3	11/99	J Watson	Introduction: 3 leaves
Issue 3	12/99	J Watson	Section 02: ACP-8 data added
Issue 3	11/99	J Watson	Section 03: UT4S v.5.12 parts list added; repaginated
Issue 3	11/99	J Watson	Section 04: UE4S v.5.0 parts list added; repaginated
Issue 3	11/99	J Watson	Service SW: Wintesla v.5.30 replaced by v.6.03; repaginated
Issue 3	11/99	J Watson	Tuning Instructions: POS flash concept added. Tuning target tolerance and testing limits amended. Settings for spectrum analyzer added within 5.
Issue 3	11/99	J Watson	Service Tools: XMS-3, FLS-2D, SCH-5A, XRC-2 added; repaginated
Issue 3	11/99	J Watson	Troubleshooting: Revised; repaginated
Issue 3	11/99	J Watson	Nonserviceable Accessories: ACP-8, XRC-2, DLR-3 RS232, HDC-9P added; repaginated
Issue 4	04/01	J Fraser	Introduction: 3 leaves
Issue 4	04/01	J Fraser	Section 02: New variants and colors added; repaginated
Issue 4	04/01	J Fraser	Product Variants: NSW-1NX blue, grey, SBC blue added; repaginated
Issue 4	04/01	J Fraser	HFU-2 and LPS-1/2: Sections incorporated into Nonserviceable accessories
Issue 4	04/01	J Fraser	Tuning: Information update; repaginate

# Programmes After Market Services Technical Documentation

## NSW-1 Series Cellular Phones Service Manual – Overall Manual Contents

### **Service Manual comprising**

### **NSW-1 Series Transceiver booklet comprising**

- Chapter 1: Foreword
- Chapter 2: General Information
- Chapter 3: System Module UT4S
- Chapter 4: UIF Module UE 4S
- Chapter 5: Transceiver NSW-1 variants
- Chapter 6: Service Software Instructions
- Chapter 7: Tuning Instructions
- Chapter 8: Service Tools
- Chapter 9: Disassembly/Troubleshooting Instructions
- Chapter 10: Non-serviceable Accessories
- Chapter 11: CARK-64 Installation Guide
- Chapter 12: CARK-91 Installation Guide

# Programmes After Market Services Technical Documentation

## IMPORTANT

This document is intended for use by qualified service personnel only.

### Company Policy

Our policy is of continuous development; details of all technical modifications will be included with service bulletins.

While every endeavour has been made to ensure the accuracy of this document, some errors may exist. If any errors are found by the reader, NOKIA MOBILE PHONES Ltd should be notified in writing.

Please state:

Title of the Document + Issue Number/Date of publication

Latest Amendment Number (if applicable)

Page(s) and/or Figure(s) in error

Please send to: Nokia Mobile Phones Ltd  
PAMS Technical Documentation  
PO Box 86  
FIN-24101 SALO  
Finland

# Programmes After Market Services

## Technical Documentation

### Warnings and Cautions

Please refer to the phone's user guide for instructions relating to operation, care and maintenance including important safety information. Note also the following:

#### Warnings:

1. CARE MUST BE TAKEN ON INSTALLATION IN VEHICLES FITTED WITH ELECTRONIC ENGINE MANAGEMENT SYSTEMS AND ANTI-SKID BRAKING SYSTEMS. UNDER CERTAIN FAULT CONDITIONS, EMITTED RF ENERGY CAN AFFECT THEIR OPERATION. IF NECESSARY, CONSULT THE VEHICLE DEALER/MANUFACTURER TO DETERMINE THE IMMUNITY OF VEHICLE ELECTRONIC SYSTEMS TO RF ENERGY.
2. THE HANDPORTABLE TELEPHONE MUST NOT BE OPERATED IN AREAS LIKELY TO CONTAIN POTENTIALLY EXPLOSIVE ATMOSPHERES EG PETROL STATIONS (SERVICE STATIONS), BLASTING AREAS ETC.
3. OPERATION OF ANY RADIO TRANSMITTING EQUIPMENT, INCLUDING CELLULAR TELEPHONES, MAY INTERFERE WITH THE FUNCTIONALITY OF INADEQUATELY PROTECTED MEDICAL DEVICES. CONSULT A PHYSICIAN OR THE MANUFACTURER OF THE MEDICAL DEVICE IF YOU HAVE ANY QUESTIONS. OTHER ELECTRONIC EQUIPMENT MAY ALSO BE SUBJECT TO INTERFERENCE.

#### Cautions:

1. Servicing and alignment must be undertaken by qualified personnel only.
2. Ensure all work is carried out at an anti-static workstation and that an anti-static wrist strap is worn.
3. Ensure solder, wire, or foreign matter does not enter the telephone as damage may result.
4. Use only approved components as specified in the parts list.
5. Ensure all components, modules screws and insulators are correctly re-fitted after servicing and alignment. Ensure all cables and wires are repositioned correctly.