

Contacts Manager+ for UIQ Phones

v. 1.0

Tested with Sony Ericsson P800 and P900 phones.

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<http://www.agora.cz>, <http://www.communicator.cz>

With the *Contacts Manager+ for UIQ phones* application, you can export/import contacts, templates and group definitions (or folders) from/to the Symbian UIQ phone contacts database, using a textual file (CSV, TXT) with delimiters.

Testing Version (Demo)

An unregistered version should be used only for trial testing. Its functionality is limited – it processes only 25 contacts.

Full Version

By registering, the trial version becomes the fully functional one. Enter your registration code in the *Tools->Registration* field box. The information about ordering of registration codes can be found at the <http://www.communicator.cz> website.

Export of Contacts

By pressing the **Export** button (or selecting *Contacts->Export contacts*), you can store data from the default contacts database into a text file with delimiters. Confirm by pressing the **Yes** button. The dialog is displayed, in which you can set the name and path of the export file. Pre-selected folder for saving the file is the 'Internal\Other' folder. You can save the file to any other folder but note that the import function can see only content of 'Internal\Other' and 'External\Other' folders. Default export format is CSV file, with comma as a delimiter, and quotes as a text qualifier. CSV file parameters can be changed by pressing the **Settings** button (or in the *Tools->Settings* item).

As soon as the export is finished, you can use the file in the usual way, e.g. send the file to another device (PC, PDA, etc). Format/protocol of the exported file is the same as in Contacts Manager(+) for Series 60 or for Nokia 92xx.

A file in the Contacts Manager format can be imported into Symbian UIQ phone, Symbian Series 60 phone, Nokia 9210/9290, a spreadsheet or database application on PC, etc. Read more about import in further text ('Import' chapter).

File Renaming/Sending/Deleting

For sending the file to other device (PC, PDA, etc), just run File Manager, select the file and use usual procedure – *Beam* or *Send as* and choose proper sending method.

Other file operations, such as renaming, deleting, etc, can be done in a similar way.

Settings

By pressing the **Settings** button (or selecting *Tools->Settings*), you can open settings, where you can set parameters and content of the exported file.

Settings can be (optionally) saved by the application closing.

Default (factory) settings are marked in **bold** in the list below.

Export format tab:

Field separator – It can be either **comma** or *semicolon* (CSV format) or *tab* (TXT format).

Text qualifier – **Quotes/apostrophes/nothing** as a qualifier in CSV format (commas/semicolons delimited) can be used. TXT format (tabs delimited) usually doesn't use text qualifier.

Caution: Don't use the "None" option in the text qualifier settings together with commas/semicolons delimiters unless you have good reason to do so. This qualifier option should be set only if "Tab" is set as a delimiter.

End of line (EOL) – As an end-of-line, the **CR** (0x000D) character is set by default. Optionally, user can set **CR+LF** (0x000D 0x000A) as an end of line instead.

Line break within a field – If a field contains (in a formatted item) a line break, this line break is – according to the current settings – either **replaced by space**, exported as the **LF** (0x000A) character or as the textual escape sequence "\n". As 'line break' in the source data is recognized any of the following formatting characters: LSEP (LINE SEPARATOR, 0x2028), PSEP (PARAGRAPH SEPARATOR, 0x2029), FF (FORM FEED, 0x000C), LF (LINE FEED, 0x000A), CR (CARRIAGE RETURN 0x000D) or CR+LF (0x000D 0x000A).
Formatted items are: Note, formatted address (Address/LABEL), and formatted name (Name/FN).

Export content tab:

Contacts – Choose whether only contacts **from the phone memory** are to be exported, or *SIM contacts, too*.

Groups – You can determine whether *groups (folders) definitions* will also be included into the result file (**Yes/No**).

Templates – You can set whether templates will be included into the result file (**Yes/No**).

Picture data – If you set **Yes**, the 'Picture' field will contain whole contact picture data (JPEG format, Base64 encoding), setting **No** means that **only the 'TRUE' flag** (where acceptable) is written in this field.

Private notes – If set to **Yes**, all notes are exported; if set to **No**, notes marked as "Private" are not included into the export file. If the **Yes** option is set the private notes are exported as renamed to "Private" for better recognition in the result export file.

More information about items exporting can be found in the "Export" chapter.

Closing the Application

The application is closed by selecting *File->Exit*.

Exported File – the Format and the Structure

As a result of export, you will get delimited textual file with data ordered into 56 “columns” (v. 1.0). Delimiters are either commas or semicolons (CSV format) or tabs (TXT format) depending on your choice (current settings). Unicode coding is used.

Exported “table” has three leading rows. First of them contains file format identifiers and must not be changed because if it is missing or changed, the file cannot be imported back. The second row contains column headers that are very important for cells data identity – always keep these numerical identifiers untouched. The third row contains descriptions of numerical identifiers in the second row – user can freely modify (edit, translate) these descriptions in the third row. They are important for user (as data comments), not for program itself or its data.

Since the file format is CSV, you have to determine its parameters (field separator, text qualifier, end-of-line character, line-break character). You can also set whether exported file will contain only contacts or also group definitions, and whether contact pictures data will be exported. For more details, see “Settings” chapter.

Columns Headers and Their Order (v. 1.0):

<i>Enumbering</i>	<i>Header</i>	<i>Info</i>	<i>Exclusivity</i>
0000	ID	Unique ID of the contact card	
1100	Last name	Family name subfield of Name field	Single
1200	First name	Given name subfield of Name field	Single
2100	Ringtone	Path and filename of the contact’s individual ringing tone	Single
6000	Company	Organization name field	Single
6100	Job title	Job title field	Multi
4000	<i>Tel</i>	<i>Tel field (shown as Phone (w))</i>	<i>Multi</i>
4002	Tel (Business)	Tel field with property	Multi
4003	Tel (Home)	Tel field with property	Multi
4006	<i>Other Tel</i>	<i>Tel field renamed with user string</i>	<i>Multi</i>
4007	<i>Other Tel - desc.</i>	<i>User string in Tel (.....) field if it is renamed</i>	
4100	<i>Tel GSM</i>	<i>Tel GSM field (shown as Mobile (w))</i>	<i>Multi</i>
4102	Tel GSM (Business)	Tel GSM field with property	Multi
4103	Tel GSM (Home)	Tel GSM field with property	Multi
4106	<i>Other Tel GSM</i>	<i>Tel GSM field renamed with user string</i>	<i>Multi</i>
4107	<i>Other Tel GSM - desc.</i>	<i>User string in Tel GSM (.....) field if it is renamed</i>	
4300	<i>Fax</i>	<i>Fax field (shown as Fax (w))</i>	<i>Multi</i>
4302	Fax (Business)	Fax field with property	Multi
4303	Fax (Home)	Fax field with property	Multi
4306	<i>Other Fax</i>	<i>Fax field renamed with user string</i>	<i>Multi</i>
4307	<i>Other Fax - desc.</i>	<i>User string in Fax (.....) field if it is renamed</i>	
4500	<i>Mail</i>	<i>Email field (shown as Email (w))</i>	<i>Multi</i>
4502	Mail (Business)	Email field with property	Multi
4503	Mail (Home)	Email field with property	Multi
4506	<i>Other Mail</i>	<i>Email field renamed with user string</i>	<i>Multi</i>
4507	<i>Other Mail - desc.</i>	<i>User string in Email (.....) field if it is renamed</i>	
4700	<i>URL</i>	<i>URL field</i>	<i>Multi</i>
4702	URL (Business)	URL field with property	Multi
4706	<i>Other URL</i>	<i>URL field renamed with user string</i>	<i>Multi</i>
4707	<i>Other URL - desc.</i>	<i>User string in URL (.....) field if it is renamed</i>	
4800	DTMF **)	DTMF field	Multi
4806	<i>Other DTMF **)</i>	<i>DTMF field renamed with user string</i>	<i>Multi</i>
4807	<i>Other DTMF - desc. **)</i>	<i>User string in DTMF (.....) field if it is renamed</i>	
3300	<i>Street</i>	<i>Street subfield of Address field</i>	<i>Single</i>
3600	<i>ZIP/Postal code</i>	<i>ZIP/Postal code subfield of Address field</i>	<i>Single</i>
3400	<i>City</i>	<i>City subfield of Address field</i>	<i>Single</i>

3500	State/Province	State/Province subfield of Address field	Single
3700	Country/Region	Country/Region subfield of Address field	Single
3302	Street (Business)	Street subfield of Business address field	Single
3602	ZIP/Postal code (Business)	ZIP/Postal code subfield of Business address field	Single
3402	City (Business)	City subfield of Business address field	Single
3502	State/Province (Business)	State/Province subfield of Business address field	Single
3702	Country/Region (Business)	Country/Region subfield of Business address field	Single
3303	Street (Home)	Street subfield of Home address field	Single
3603	ZIP/Postal code (Home)	ZIP/Postal code subfield of Home address field	Single
3403	City (Home)	City subfield of Home address field	Single
3503	State/Province (Home)	State/Province subfield of Home address field	Single
3703	Country/Region (Home)	Country/Region subfield of Home address field	Single
1900	Picture	Contact picture field	Single
7000	Note ***)	Note field	Single
7006	Other Note ***)	Note field renamed with user string	
7007	Other Note - desc. ***)	User string in Note (.....) field if it is renamed	
0300	Member	ID of groups that the contact belongs to	Single
9906	Misc.	Various conceded, hidden and special fields and items	
9999	Misc. - type	Property/type/subtype tag to specify type of „Mics.“ item	
9907	Misc. - desc.	User string in the field „Misc.“ if it is renamed	

**) DTMF field type can be created in the P800/900 as 'Phone (h)' field - its content must begin with "p" character. Fields 'Phone (h)' and 'Phone (w)' with the content beginning with "p" are exported into the 'DTMF' column, and the leading "p" is cut off. If imported into the P800/900, data from 'DTMF' column is imported into the 'Phone (h)' field; the leading "p" is added. Renamings are kept.

***) Exporting of notes marked as "Private" is dependent on the Settings.

Note:

Internal Contacts application in SE P800/900 phone doesn't use – in comparison with devices like Nokia Series 60 or 80 – field types *Phone*, *Mobile*, *Fax*, or *Email*, without "Work" (w) or "Home" (h) properties. These fields cannot be created internally, but when they are imported (from N9210/9290, S60 or by business card), they internally keep their properties. Contacts application displays them as its "standard" fields *Phone (w)*, *Mobile (w)* or *Fax (w)*, *Email (w)* and *Web* (the *Web* field is actually *Web (w)*, in P800/900, though it is not displayed in this way). Those field types can be called *acceptable*. They are imported and exported by Contacts Manager+ without changes (i.e. as items without additional properties).

Some unsupported field types can partly be maintained in the UIQ phone – we call them *conceded* ones – and other fields may be *hidden* (see further text).

Following field types cannot be created internally, can be only fetched externally in vCard (via infra, Bluetooth or SMS) and they can be stored in the database. They are visible in the smartphone's contact card – but without differentiating label (we call them *semi-conceded* fields). They are imported by Contacts Manager+ almost without changes. If they contain valid data in the contact card, they are exported into the "Misc." column.

1300	Middle name	Additional name subfield of Name field	Single
1400	Title	Name prefix subfield of Name field	Single
1500	Suffix	Name suffix subfield of Name field	Single
4200	Pager	Pager field	Multi
4206	Other Pager	Pager field renamed with user string	Multi
4207	Other Pager - desc.	User string in Pager (.....) field if it is renamed	
3100	P.O. Box	P.O. Box subfield of Address field	Single
3200	Extension	Extension subfield of Address field	Single
3102	P.O. Box (Business)	P.O. Box subfield of Business address field	Single
3202	Extension (Business)	Extension subfield of Business address field	Single

3103	P.O. Box (Home)	P.O. Box subfield of Home address field	Single
3203	Extension (Home)	Extension subfield of Home address field	Single

Other *semi-conceded* field types, such as LABEL, ROLE, URL (HOME), FN, MAILER, GEO, and SOUND, are imported into the *Note* field.

The 'Birthday' item is imported and exported without change (if contains valid data) by Contacts manager+. It is *hidden* field (not displayed in the contact card window), but it is being sent out in the business card.

2006	Birthday	Birthday field	Single
2007	Birthday - desc.	User string in Birthday (.....) field if it is renamed	

More information about *conceded* and *hidden* fields can be found in the "Smart Export Features" chapter.

In comparison with Nokia 9210/9290, there are no pure "preferred" fields – this property is partly substituted by the "Show in list" feature. In SE P800/900 contacts database, selected number in *Phone (w)*, *Phone (h)*, *Mobile (w)*, and *Mobile (h)* fields can have the 'preferred' property (it is set by the "Show in list" option). The 'preferred' property can often be seen in business cards, in the Nokia 92xx contacts database can be used even as one of main properties, in SE P800/900 it is usually used as an additional feature – similarly like the 'default' property in Symbian Series 60 phones. During import and export, the 'preferred' property is ignored, except of the case it belongs to the *Address* field.

4001	Tel (Preferred)	Tel field with property	Multi
4101	Tel GSM (Preferred)	Tel GSM field with property	Multi
4301	Fax (Preferred)	Fax field with property	Multi
4501	Mail (Preferred)	Email field with property	Multi

One of unsupported fields (if it is not 'preferred' as well) is also *Address* field:

Address (without property) is:

- stored as "Home" *Address* when this field is free,
- stored as "Company" *Address* (i.e., "Work") when the *Home address* field is not free,
- ignored (not stored at all) if none of both mentioned fields is free.

If it has also 'preferred' property, it is stored additionally (besides storing it eventually as *Home address* or *Company address*) also as an "other" (preferred) *Address*. That means, it appears as a "conceded" *Address*, in Contacts. In this case, the field might occur twice in the contacts card, both as normal *Home address* field (if it is free) or *Company address* field (if it is free), and the "conceded" *Address* field. Both 'Address' and 'Address (pref.)' field types are imported by Contacts Manager+ as 'Address (pref.)' field types. An 'Address (pref.)' field is exported by the application as an 'Address' field.

And – compared with N9210/9290 – following seven field types don't exist here at all (P800/900 phones don't use them). When they are imported (from N9210/9290, by vCard, etc.), they internally keep their properties, but Contacts application displays them in the same way like "normal" fields "Tel", "Tel GSM", or "Fax". 'URL address (Home)' field is displayed as the "unknown" item. The 'Car' and 'Data' properties are unsupported though and are kept with the contact field only until the contact is edited. So, the Contacts Manager+ exports/imports them as "normal" fields 'Tel', 'Tel GSM', 'Fax', 'URL address'.

4004	Tel (Car)	Tel field with property	Multi
4005	Tel (Data)	Tel field with property	Multi
4104	Tel GSM (Car)	Tel GSM field with property	Multi
4105	Tel GSM (Data)	Tel GSM field with property	Multi
4304	Fax (Car)	Fax field with property	Multi
4400	Fax GSM	Fax GSM (= Fax/mobile) field	Multi
4703	URL (Home)	URL field with property	Multi

From other devices also various modifications of these fields can be imported. They also appear without differentiating label (i.e., as *hidden*, *conceded* or *semi-conceded* fields). They are exported and imported in their basic form – without properties, e.g., like ‘Fax’, etc. Those fields can be, e.g.:

4401	Fax GSM (Preferred)	Fax GSM (= Fax/mobile) field with property	Multi
4402	Fax GSM (Business)	Fax GSM (= Fax/mobile) field with property	Multi
4403	Fax GSM (Home)	Fax GSM (= Fax/mobile) field with property	Multi

Multi-fields

If there is “multi-field” (i.e. repeating fields) in any contact card, then multi-lining (with repeated lines) is used for export of such a contact, and in this case, contents of five “name-regarded” fields (never repeated in contact card itself) – ‘Last name’ etc. – are copied into each line belonging to the same contact (lines with the same ID).

So if, for example, “Parker John” contact card has three fields *Phone (w)*, one *Mobile (w)*, and two *Email (w)* addresses, then corresponding columns of its export will look like this:

ID	Last name	First name ...	Tel (Business)	Tel GSM (Business)Mail (Business)
...						
865	Parker	John	+999333222111		+888777000111	mail1@company.com
865	Parker	John	+999444777666			mail2@company.com
865	Parker	John	+999555000888			

All of these lines are related to the same contact card in the database – called John Parker. In the case of another John Parker in the database, he will have a different ID in the first column to avoid confusion when sorting contacts in MS Excel, etc.

1584	Parker	John	+999321321321		+888666555111	parker@comp.org
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If in doubt with unclear situations (e.g., after sorting the sheet by the ‘Last name’ or ‘Company’, etc), always check whether these lines have the same ID.

Renamed Fields

Creating of fields with user-defined description such as “Tel (lodge)” or “Fax (1st floor)” is not supported in SE P800/900 contacts database, but if such a field is imported using Contacts Manager+, its renaming string is stored in the database. Renamed field is imported and exported together with this string by the Contacts Manager+ application (only with some supported types), but, in the Contacts window, it is displayed without this string. Renamed fields of unsupported types are imported into the common *Note* field.

“Note” and “Private Note” Fields

Notes marked as “Private” are exported (if their export is enabled in Settings) – so as they are recognized from “normal” notes – as if they were renamed, i.e. into the ‘Other Note’ column, and in the ‘Other Note – description’ column, the ‘Private’ string is written.

All ‘Note’ items, when imported, are merged together with “unknown” items into a single *Note* field. User renaming of the ‘Note’ cannot be used in UIQ, and is ignored (imported without this string).

Types of Records in the Contacts Database

A contacts database, along with contact cards, contains in addition other record types, such as definitions of contact groups (folders), templates (in some devices – e.g. Nokia 92xx – also voice mailboxes), and others.

Contacts databases in SE P800 and P900, immediately after they are created, contain several pre-defined records, such as:

Group “*RingToneGroup*” (in P800 with ID=1, not present in P900) – hidden virtual group, contains contacts that have individual ringing tone assigned.

Group “*VoiceDialGroup*” (in P800 with ID=2, not present in P900) – hidden virtual group, contains contacts that have voice dial tag assigned.

Template “*SIM Card Contacts*” (in P800 with ID=3, in P900 with ID=1) – used internally for proper SIM card contacts mapping to the contacts database in the device.

Unnamed group (in P800 with ID=4, in P900 with ID=2) – hidden virtual group, contains mapped SIM card contacts.

Additionally, two default visible groups (folders), *Personal* and *Business*, are always created in the contacts database.

The “Contact card” record type

Contact cards are designed for storing phone numbers, addresses, and other data of the contact persons.

Contacts in the internal memory and SIM contacts

SIM contacts create the special contacts group. They can be exported from P800/900 if you enable exporting SIM contacts in the Settings.

In the export table, SIM card contacts are displayed as members of the special group (folder). This group (folder) has empty name (it is hidden) in the database.

The “Template” record type

Template definitions are usually stored in the contacts database, too. A template defines what fields will be pre-defined for each new contact card. Contacts database in SE P800/900 contains one default template – for proper mapping of SIM card contact fields to the main contacts database (template for creating new cards is stored in another place).

In the exported file, each template definition is marked in the ‘Misc. - type’ column with the identifier “0200 Template”. Then the ‘Misc. - desc.’ column usually contains the “Template Label” string, and the ‘Misc.’ column contains a template name. Those fields which are set as valid in a template definition contain the ‘TRUE’ string in the export table (actually, any text is allowed). Fields that are set as “off” in the template are empty here.

Exporting of templates can be enabled/disabled in the *Tools->Settings->Export content->Templates* item setting. Templates are placed at the beginning of the exported contacts list.

The “Contacts group (folder) definition” record type

Group definitions (folders) are also contacts database items. They contain data about their members. If a database contains group definitions, each group has its own data line(s) like normal contact – with the group name in the ‘Last name’ column. In the export table, each group is marked with the “0400 Group” identifier in the ‘Misc. - type’ column. The ‘Misc.’ column contains information about the number of its members (e.g. “5 members”). Each row containing a group definition corresponds with the data in the ‘Member’ column that contains the ID and the name of a group in the contact’s row.

Exporting of group definitions (folders) can be enabled/disabled in the *Tools->Settings->Export groups (folders)* item setting. Group definitions are exported onto the end of the table, after the contacts list (regardless of their IDs). When groups (folders) exporting is disabled, groups definitions and 'Member' fields content are not exported.

Contacts database in SE P800/900 contains three standard pre-defined folders (groups) – 'Business' and 'Personal' groups and one unnamed group (folder) for mapped SIM card contacts.

Note:

- In P800/900, each contact can normally be only in one group (folder) at a time. By data import using Contacts Manager+, you can assign contact to more than one group.
- User can create other folders (groups).
- P800/900 contacts database doesn't support "inclusive" groups. If an imported file (created, e.g. in Nokia 92xx) contains group definitions where a group is a member of another group, this "secondary" membership is ignored.

Default (preferred) item

In the contact card, you can set up some kind of 'preferred' number (using the "Show in list" function). Such a number can be only in following fields: *Phone (w)*, *Phone (h)*, *Mobile (w)*, and *Mobile (h)*.

During import and export, the 'preferred' property is ignored, except of the case when it belongs to the 'Address' field.

If the 'Address' field in the received business card has the 'preferred' property, it is stored additionally (besides storing it eventually as *Home address* or *Company address*) also as an "other" (preferred) *Address*. That means, it appears as a "conceded" *Address*, in Contacts. This behavior is exploited in import, and both 'Address' and 'Address (pref.)' field types are imported by Contacts Manager+ as 'Address (pref.)' field types. That's because without the 'preferred' property, an unsupported 'Address' field wouldn't appear in Contacts at all. In this case, the field might occur twice in the contacts card, both as normal *Home address* field (if it is free) or *Company address* field (if it is free), and the "conceded" *Address* field, of course. An 'Address (pref.)' field is exported by the application without this property, i.e., as an 'Address' field.

Smart Export Features

Exporting contacts might also discover hidden data stored in your contacts database that the Contacts application doesn't show – or doesn't fully display.

And, in some cases, Contacts Manager+ is able to recover data from corrupted contacts database.

"Repair" Function

Although there are no "full" repair functions in Contacts Manager+, it is also able to repair corrupted database in some cases. If a corrupted database cannot be opened in the Contacts application, you can try to export its data with Contacts Manager+ into a textual file. Export will skip corrupted contact item. The faulty database can be then deleted and the exported data can be imported into a new, empty database – without corrupted contact.

Contacts Manager+ can also recognize incomplete "compact" entries that may be ignored by the PIMs (MS Outlook, Lotus Notes ...) during synchronizing. These fields are usually visible in smartphone's contact card window, but they are often omitted by the synchronizer. No such fields can be created from the smartphone's keypad, though. They are usually created when a business card is received via infrared or SMS, especially if sending phone sends it with contracted field headers (compact business card). These fields (in most cases phone number fields) are properly exported into the result file by the Contacts Manager+, of course.

Conceded, Hidden and Special Fields

Database entries can contain more field types in contact cards than user can create or even see in the contact card window.

“Conceded” Fields

Conceded fields are those field types, which can only be fetched externally (via infra, Bluetooth, or SMS) and not created internally in the usual way. They are visible in the smartphone’s contact card. In P800/900, all such fields are only *semi-conceded* fields and they have no visible label.

Following field types, if they are present in imported contacts data, or in received business card, are stored with the contacts data. They are displayed as “unknown” field types, in the contact card. Contacts Manager+ exports these fields into the common ‘Misc.’ column. They can be:

Middle name [1300],
Title [1400],
Suffix [1500],
Pager [4200],
Other Pager [4206],
PO BOX [3100],
Extension [3200],
PO BOX (Business) [3102],
Extension (Business) [3202],
PO BOX (Home) [3103],
Extension (Home) [3203].

The field types above are imported by Contacts Manager+ almost without changes.

LABEL – contains formatted unstructured address and is displayed as a single-item field in the contact card. **Caution!** This formatted address field must not be confused with the regular smartphone’s structured “address” fields created of sub-fields (P.O. Box; Extension; Street; ZIP/Postal code; City; State/Province; Country/Region).

ROLE – belongs to the company data; its meaning is “**Job description**”,

URL;HOME – Web address with ‘Home’ property,

FN – formatted unstructured name,

MAILER – name of the mail client application

GEO – geographical information (longitude and latitude),

SOUND – binary data or path to the sound file (when received in a business card, it is not stored as a P800/900’s ringing tone but as unknown *semi-conceded* field),

These field types are imported by Contacts Manager+ into the *Note* field.

Additionally, during synchronization, some unspecified or non-standard fields might be imported.

“Hidden” Fields

Similarly, *hidden* fields (invisible in the contact card) can be only fetched externally (via infra, Bluetooth or SMS) and they cannot be created from the keypad. But, unlike the *conceded* fields, they are not displayed in the contact card window. Examples:

BIRTHDAY – if received in business card or during synchronization, it is stored into the contacts database. Contacts Manager+ exports and imports it without changes.

NICKNAME – if received in business card or during synchronization, it is stored into the contacts database. Contacts Manager+ exports it as an unknown hidden item, imports it into the *Note* field.

Hidden Properties of Fields

Certain field types can contain subtypes (properties) that are not seen in the contact card window. They are usually imported from another device or received in a business card.

“Special” Fields

Special fields are linked to the sound or picture data and are sometimes created by another application in the smartphone.

Ringing tone – individual ringing tone of the certain contact person. This field has its own column in the exported file.

Speed dial – speed dial key for selected phone number of the contact person. Phone number that the speed dial key is referred to is shown (i.e., repeated) in the ‘Misc.’ column. In the ‘Misc. - type’ column, the speed dial key assigned is displayed. There is also information about the phone number type (header of a column containing primarily this number) in this item data.

Picture – contact picture file(s). This data has its own column in the exported file. In the *Tools->Settings->Export picture data*, you can set whether whole contact picture data (JPEG format, Base64 encoding) will be exported into the ‘Picture’ column, or only ‘TRUE’ flag (where acceptable) will be set in this column.

Import into Symbian UIQ phone (SE P800, P900)

You can import the CSV/TXT file created by export from Symbian UIQ phone, Symbian Series 60 phone, or Nokia 9210/9290 phone (or created manually using the CntMng export protocol format definition). You can also transfer contacts databases between communicators or phones.

Note: Before using this tool, do a fresh backup of the data in your phone!

To import contacts from common device or memory card storage, press the **Import** button (or select *Contacts->Import contacts*). Choose the file you want to import data from, accept the warning message, and by pressing **Yes** button, confirm adding imported contacts into the main contacts database.

Standard and recognized items are imported into proper fields. Unrecognized or unknown items are written in this 'Note' field by the contacts, in a textual form.

Import of group definitions (or folders) is supported (an "inclusive" membership of groups is ignored). It is optional feature – during contacts import, you are asked whether groups are to be imported.

Note: The application checks, before importing groups, whether Contacts application is closed. If it is open, you are offered with closing it. If you press 'No', groups are not imported.

Import of Picture/Photo and Sound/Ringing data is supported.

The picture size is not checked when imported and the picture is imported "as is". Only when the data format is invalid, the picture is not imported, and this fact is marked in the *Note* field.

When importing ringing file data given as a path to the file, it is imported only when the path is valid. If the path is not valid, it is imported only into the *Note* field.

Creating of fields with user-defined description such as "Tel (lodge)" or "Fax (1st floor)" is not supported in SE P800/900 contacts database, but, if such a field is imported using Contacts Manager+, its renaming string is stored in the database. Renamed field is imported and exported together with this string by the Contacts Manager+ application (only with some supported types), but in the Contacts window, it is displayed without this string.

For more details about import features in the current version of the application, please check the *readme.txt* file.

Import into Symbian Series 60 Phone (Nokia 7650/3650/3660/6600/N-Gage, Siemens SX1 and Other Types)

For instructions, please read user's guide of Contacts Manager for Series 60.

Import into the Nokia 9210/9290 Communicator

For instructions, please read user's guide of Contacts Manager for Nokia 9210/9290.

Import into the Microsoft Excel Application

The data file is coded in **Unicode**, so you can import it directly into **MS Excel 2000 or newer** versions.

When importing it into **older Excel versions** (without Unicode support), e.g. **Excel 95/97**, first open the Unicode-coded file with MS Word (or another capable editor), save it – again in plain textual form – in appropriate national coding, and then it is ready to be imported into older version of MS Excel.

Keep the Proper Procedure

To prevent distorting phone numbers when loading exported data into MS Excel, it is important to import them as “text”, not “numbers” or “general”. Although user can set cells format in the empty Excel sheet as “text”, this setting is valid only for typing, not for importing. As soon as you paste or straight-import data into these cells, this setting is ignored, and data is imported in “general” format. Phone numbers might then be distorted and long data strings truncated to 255 characters only.

Before exporting, you should ensure that **Settings** in Contacts Manager+ are set in the recommended way:

Cell separator: comma (default) or semicolon (change it so if necessary)

String qualifier: quote (default)

You may use the “apostrophe” qualifier if necessary, but don’t use “tab” separator (delimiter) in the case you need to import the file into MS Excel.

Save the exported file with chosen name and **.csv** extension. Continue with the “a” section.

If you have data exported with “tab” delimiter, the file should have **.txt** extension. For proper importing of such a file, please skip this “a” section and follow the “b” section instead.

a) Having the Data in CSV File

If you have created a comma or semicolon delimited file with CSV extension, you can open it – as an associated file – by simply **double-clicking** on the file (application will open automatically). Or you can use MS Excel’s function **File->Open...**

But neither comma nor semicolon delimiters are expected to be default ones in MS Excel. So all data is loaded into the “A” column.

In CSV format, user can use “text qualifiers” (quotes or apostrophes), but this doesn’t influence the format in which the data is imported or pasted into the cell. Text qualifier is important in the case that text strings may contain the same characters as those used as delimiters, and this becomes the way to differentiate valid characters from delimiters. But text qualifier never ensures that text strings will be imported by MS Excel as text strings. This has to be ensured in a different way (see further).

Select (mark) the “A” column containing the data, and select **Data->Text into columns**. This will run the importing Wizard. If you used **Data->Read external data->Import text file** instead of opening a file, you would get a very similar wizard.

In the first Wizard window choose ‘Delimited’ option and click on **Next**. In the second Wizard window choose proper ‘Delimiter’ and ‘Text qualifier’ (according to the Settings in Contacts Manager+, i.e. comma and quotes if it is in default recommended setting).

Note – the ‘Treat consecutive delimiters as one’ option **MUST NOT** be selected (the box next to it has to remain empty)!

Click on **Next**.

Now we have reached a very important moment for proper format settings. First column in ‘Data preview’ table in the lower half of the third Wizard window is selected (= in black) and prepared for format change. But we need to set ALL columns into “text” format. So press and hold the Shift key, and jump to the last column in the preview (the fastest way is to move the slider to the far right edge) and click on the last column’s header tab. Now all the columns should be black (= ‘selected’). In the

'Column data format' list, select the 'Text' option. Header tabs of all columns must change from 'General' to 'Text'.
Press **Finish**.

Now data is correctly imported, and phone numbers are represented properly (the "+" sign is OK, spaces are OK, data strings of pictures or ringings are not truncated).

Note: You can do it easily using our Excel macro (see Appendix A).

b) Having the Data in the TXT File

TXT file is the case when "tab" is the chosen delimiter. This format doesn't need text qualifiers, so sometimes this option is set as "none".

Don't use *File->Open* function for loading the data into MS Excel, because it would open it in the wrong format with distorted phone numbers and truncated data strings. Create a new (empty) sheet and select **Data->Read external data->Import text file**. Browse text files – select 'File types: text files (*.txt)', find your exported text file in TXT format (tab delimited), and press **Import** button. That will run the importing Wizard.

In TXT format, a user can also use "text qualifiers" (quotes or paragraphs), but this doesn't influence the format in which the data is imported or pasted into cell. Text qualifier is important in the case that text strings may contain the same characters as those used as delimiters, and this is the way to differentiate valid characters from delimiters. But text qualifier never ensures that text strings will be imported by MS Excel as text strings. This has to be ensured in a different way (see further).

In the first Wizard window choose 'Delimited' option and click on **Next**. In the second Wizard window choose proper 'Delimiter' and 'Text qualifier' (according to the Settings in Contacts Manager+, e.g. the "tab" delimiter and "none" qualifier).

Note – the 'Treat consecutive delimiters as one' option MUST NOT be selected (the box next to it has to remain empty)!

Click on **Next**.

Now we have reached a very important moment for proper format settings. First column in 'Data preview' table in the lower half of the third Wizard window is selected (= in black) and prepared for format change. But we need to set ALL columns into "text" format. So press and hold the Shift key, and jump to the last column in the preview (the fastest way is to move the slider to the far right edge) and click on the last column's header tab. Now all the columns should be black (= 'selected'). In the 'Column data format' list, select the 'Text' option. Header tabs of all columns must change from 'General' to 'Text'.
Press **Finish**.

Now data is correctly imported, and phone numbers are represented properly (the "+" sign is OK, spaces are OK, data strings of pictures or ringings are not truncated).

Note: You can do it easily using our Excel macro (see Appendix A).

Editing the File

You can edit file with changing its data. Be careful doing so and keep the proper format of the fields content.

Warning:

While working with the data table in a spreadsheet application, never remove the "A" column with ID data.

When sorting items by any header (Last name, Company ...), always select ALL columns.

Cell format has always to be set in the way that data is interpreted as "text", and not as "number" or "general" data.

If you would like to import the data back into a phone or communicator using this program, don't edit or remove the first two lines containing the export protocol identifier and the column-numbering headers.

Saving Data from MS Excel to CSV format

After editing, check the valid content of cells, as import doesn't check the data type. Don't put "invalid" characters in the "phonenumber" fields. The application will import whatever entered, but you might have problems dialing a "number" with invalid characters.

- 1) Check the table and remove all empty existing rows within the range.
- 2) Select *File->Save as...* and choose "File type":
 - either "CSV (comma separated value)"
 - or "Text (tabs delimited)"
 - or "Text in Unicode" (recommended when transferring into an other-language communicator/smartphone/PDA).
- 3) Save the file

Now you can send the file to a phone via infrared or Bluetooth, or move the file to a phone using PC Suite.

Warning! When moving the CSV/TXT file into a phone using PC Suite (dragging it to the phone's window), don't use "Copy and convert" (default dragging settings), but use "Copy only" with the right mouse button pressed and held while dragging. Otherwise, the system may change the file structure (from plain text to Epoc format) and the file import will fail.

Manual Creating of the Textual File Using MS Excel

User can also create the textual file for Contacts Manager+ manually:

- 1) Create an empty MS Excel table with the proper header. The "starting" table can be taken from an empty Contacts Manager+ export file.
- 2) Fill in the contacts data into cells. In the column 0000, assign the unique ID to each contact. Each contact record can have as many rows as needed for entering all required data of the contact. Table rows belonging to the same contact must have identical ID in the column 0000. Content of 'Last name' and 'First name' items should be repeated in all rows belonging to the same contact.
- 3) Follow the "Saving Data from MS Excel to CSV format" paragraph mentioned above.

By using the "empty" Contacts Manager's form, you get automatically pre-filled headers of all columns you might wish to use. Their description can be found in the table in the chapter "Exported File – the Format and the Structure". But in the case you would like to define groups, or assign additional properties (speed dial, default number/address) to some contacts data items, you have to know numerical identifiers of these properties, and state them in the columns 99xx.

010k – Speed dial, *k* means speed dial key number

0102 – 0109 (speed dials on keys 2 to 9)

Speed dials import is currently not supported in the UIQ application version.

Speed dials import is supported in the Series 60 application version.

In the N9210/9290 application version, speed dials import is not supported (contacts are always imported into secondary database which doesn't support speed dials).

0200 – Template

Templates import is currently not supported in none of existing versions of the application.

0300 – Member

Uses its own columns, cooperates with groups (folders).

0400 – Group

Groups (folders) import is supported in UIQ, Series 60 and N9210/9290 application versions.

0500 – Own card

Series 60 phones don't use contact database records for own card definition settings.

In the N9210/9290 application version, own card import is not supported (contacts are always imported into secondary database which doesn't support own card).

Currently it is only partly supported in UIQ version.

06dd – Default item, dd=11, 12, 13, 14

0611 – Default phone

0612 – Default SMS

0613 – Default MMS

0614 – Default e-mail

The 'Default' item types exist only in Series 60 phones contact databases, and their import is supported.

Note: This version cannot provide full mutual conversion between the 'Default' attribute (by Symbian UIQ and Symbian Series 60) and the 'Preferred' assigning (by Nokia 9210/9290) yet. Currently not supported in UIQ version.

0700 – Voice dial

Voice dial import is not supported in any of existing version of Contacts Manager.

Note: Voice dials are not fully exported with this application. During exporting, only remark about the voice dial tag existence is made with the contact data. Recordings themselves are not parts of contacts database.

0800 – Voice mailbox

Neither Symbian UIQ nor Series 60 phones use contact database records for voice mailbox definition settings.

In the N9210/9290 application version, voice mailboxes import is not supported (contacts are always imported into secondary database which doesn't support voice mailboxes).

Using the “Misc.” Columns

Columns marked as “Misc. ...” can be used both for entering those item types that don't have their own column (so called “unknown” items), and for assigning additional properties to items that have their own column.

Creating Folders (Groups) Using CSV File

Note:

- In SE P800/900, each contact can normally be only in one group (folder) at a time. By data import using Contacts Manager+, you can assign contact to more than one group.
- SE P800/900 contacts database doesn't support “inclusive” groups. If an imported file (created, e.g. in Nokia 92xx) contains group definitions where a group is a member of another group, this “secondary” membership is ignored.

0000	1100	1200	...	0300	9906	9999	9907
ID	Last name	First name	...	Member	Misc.	Misc. - type	Misc. desc.
128	Public	John	...	133 (Friends)			
129	Known	Ray	...				
131	Seldom	Robinson	...	133 (Friends)			
133	Friends		...			0400 Groups	

Descriptions next to numberings in columns 0300 and 9999 are not mandatory and they can be omitted – the table then would look like this:

0000	1100	1200	...	0300	9906	9999	9907
ID	Last name	First name	...	Member	Misc.	Misc. - type	Misc. desc.
128	Public	John	...	133			
129	Known	Ray	...				
131	Seldom	Robinson	...	133			
133	Friends		...			0400	

... but it is better to use them as comments, at least for your future understanding of table data.

Converting Exported Pictures/Thumbnails from a String of Characters to a JPEG File

At the moment, it is not possible to import exported pictures directly to MS Excel. The export format is textual, so the binary data – if the database contains it – is encoded into a text string as well.

When data is imported into cells in “General” format, MS Excel truncates all text strings (including the picture data string) to 255 characters. That’s why it is necessary to import them in “Text” format, as described in the “Import into the MS Excel Application” chapter.

So it must be decoded from Base64 encoding to binary first. It can be done using any suitable MIME-decoding program.

The procedure:

- 1) Create a new empty plain text file (via Notepad or similar program).
- 2) Copy picture data string from CSV file into the clipboard (it is recommended to take data directly from the TXT or CSV file, as it could be truncated in Excel sheet).
- 3) Paste the data string of the picture into the text file and add a MIME header:

```
-----  
MIME-Version: 1.0  
Content-Type: application/octet-stream; name="contact.jpg"  
Content-Transfer-Encoding: base64  
  
|->put the encoded string here<-|  
-----
```

where the "contact.jpg" is the target name of the picture file.

Now apply the decoding procedure to this text file using the MIME objects decoder.

You can do it in the batch:

```
-----  
MIME-Version: 1.0  
Content-Type: application/octet-stream; name="contact1.jpg"  
Content-Transfer-Encoding: base64  
  
|->put the encoded string of the picture of the "CONTACT1" person here<-|  
  
Content-Type: application/octet-stream; name="contact2.jpg"  
Content-Transfer-Encoding: base64  
  
|->put the encoded string of the picture of the "CONTACT2" person here<-|  
  
etc.  
-----
```

If you apply the decoding procedure to this multi-data file, you will get all pictures in this file – in one step decoded.

Appendix A:

Using Macros for Easier CSV File Importing into MS Excel

If you have exported CSV file in the default format and you click on it in Windows, it opens in the first column of Excel sheet. You can use the “Text to columns” function, as described in the chapter “Import into the Microsoft Excel Application”, or you can use our macro.

The ‘CSV-to-columns-keeping-text-as-a-text’ macro (for up to 81 columns import), if the CSV file format is:

Text qualifier=quotes, Fields separator=comma

This macro works with up to 81 columns so you can use it for the UIQ version (with 56 columns in the CSV file), for the Series 60 version (with 68 columns in the CSV export file) as well as for the N9210/9290 version (with 81 columns in the CSV export file).

It can be used only for CSV settings with quotes as the text qualifiers and commas as the field separators. For different CSV settings (different text qualifier and field separator) this macro needs to be changed.

The macro is available for downloading on the application’s homepage – see <http://www.communicator.cz>. Its name is “81columns.bas”.

Listing of the macro:

```
Sub CSVTo81TextColumns()  
'  
' CSV To 81 Text Columns macro  
' For Contacts Manager  
' If the format is: Qualifier=quotes, Delimiter=comma  
'  
Columns("A:A").Select  
Selection.TextToColumns Destination:=Range("A1"), DataType:=xlDelimited, _  
    TextQualifier:=xlDoubleQuote, ConsecutiveDelimiter:=False, Tab:=False, _  
    Semicolon:=False, Comma:=True, Space:=False, Other:=False, FieldInfo _  
:=Array(Array(1, 2), Array(2, 2), Array(3, 2), Array(4, 2), Array(5, 2), Array(6, 2), _  
Array(7, 2), Array(8, 2), Array(9, 2), Array(10, 2), Array(11, 2), Array(12, 2), Array(13, 2), _  
) , Array(14, 2), Array(15, 2), Array(16, 2), Array(17, 2), Array(18, 2), Array(19, 2), Array( _  
20, 2), Array(21, 2), Array(22, 2), Array(23, 2), Array(24, 2), Array(25, 2), Array(26, 2), _  
Array(27, 2), Array(28, 2), Array(29, 2), Array(30, 2), Array(31, 2), Array(32, 2), Array( _  
33, 2), Array(34, 2), Array(35, 2), Array(36, 2), Array(37, 2), Array(38, 2), Array(39, 2), _  
Array(40, 2), Array(41, 2), Array(42, 2), Array(43, 2), Array(44, 2), Array(45, 2), Array( _  
46, 2), Array(47, 2), Array(48, 2), Array(49, 2), Array(50, 2), Array(51, 2), Array(52, 2), _  
Array(53, 2), Array(54, 2), Array(55, 2), Array(56, 2), Array(57, 2), Array(58, 2), Array( _  
59, 2), Array(60, 2), Array(61, 2), Array(62, 2), Array(63, 2), Array(64, 2), Array(65, 2), _  
Array(66, 2), Array(67, 2), Array(68, 2), Array(69, 2), Array(70, 2), Array(71, 2), Array( _  
72, 2), Array(73, 2), Array(74, 2), Array(75, 2), Array(76, 2), Array(77, 2), Array(78, 2), _  
Array(79, 2), Array(80, 2), Array(81, 2))  
Range("A1").Select  
End Sub
```