# Making a log with Im

Initial remark: Try it once with this guide in reach, afterwards this guide should not be necessary anymore.

- Download Im freeware made by DL8WAA

- After operating the contest *start Im* and click "*File>new*"

eader data		د
Contest	Mu callsion	Category Power
USKA-Weihnachtswettbewerb Digital (HB9) USKA-Weihnachtswettbewerb SSB (HB9)		
VK/ZL Oceania DX Contest CW (DX-Side)	Category Uperator	Category Station
VK/ZL Oceania DX Contest SSB (DX-Side) WAE DX Contest CW	SINGLE-OP	FIXED 💌
WAE DX Contest RTTY WAE DX Contest SSB WAG Contest (DL-Side)	Category Transmitter	
WAG Contest (non DL)	JONE	
Westfalen Nord Aktivitätstaa	Category Assisted	
Country file		
C:\ProgramData\Gelbland\LM\C		
E-Mail address	Contest Club	
Name	Spec. belonging, e.g. DOK	Spec. QTH, e.g. ARRL section
5	5 S	DX.
Mail address	Soapbox comment (max. 25	5 letters)
🚰 Load user data	a from file V OK	X Cancel 7 Help

In the upper left box choose the contest just worked (in this example WAG as non-DL station), add the call transmitted during this contest in **MyCall**, choose between single or multioperator and choose the power level you used, then click "**ok" at the bottom**. You can ignore all other fields for now – but of course you may fill them out, especially operator call(s) if you have used a club- or contest-call as single op or have been MultiOp. Also soapbox comments are welcome telling about your station, antennas and interesting moments during the contests.

### The QSO input form

Select "*Edit>Standard edit mode*" (otherwise LM inserts the actual clocktime of your PC while entering data in Im, not the real time of the QSO)

To change *date, band* and *mode* there are *dropdown menues* which will appear when you click on the fields, like the one you see for selection of correct band (see below). You need to click them only when date, band or mode differ from the QSO entered before.

11	🔟 LM - [untitled]												
🖼 File Edit Statistics Output area Tools Options Window Help													
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Nr	Date	Band	Mode	Call	UTC	Sent RST	Num sent	Rovd RST	DOK	DOK area new	Points	Flags	
1	20.0ct.2012	20r -	CW		2024	599	001	599			0		
		80m											
		40m											
		20m											
		15m											
		10m											

Now click on the field "call" and fill in the first callsign. Then hit the tab-key to reach the field "time" or click on it (see below). Clear it completely with **backspace** and insert the time of the QSO.

🛄 LM	💹 LM - [untitled]												
File Itil	E	Edit Statistics	Output	area T	ools Options W	/indow	Help						
0	Z	h • 🗍 🖬 🖻	• •			l Ç⊒ ∢	₽   🛉 🕴	<b>Ti 😒 🖥</b>		🔟 📙 🥼 /p			
Nr		Date	Band	Mode	Call	UTC	Sent RST	Num sent	Rovd RST	DOK	DOK are	Point	Flags
1		18.Apr.2013	20m	CW	DL8MBS	204 <mark>9</mark>	599	001	599			0	

Then continue with the **Tab-key** or with mouseclick to the field for the received contest exchange. RS(T) is 59(9) by default and your sent serial number will increase by one with every new QSO-line, but you can change the preset number by clicking on the field and insert another serial number (in case of double or omitted serials during the contest – which are no problem for checking as long as they represent what was sent in the QSO). The field for exchanges vary of course from contest to contest as some require "DOK", others a serial number or even both.

After all data in the log line is entered hit *Enter* and the *Plus-sign (+)* and you will see the next line ready for you:

🛄 LM	a LM - [untitled]											
File Ital	File Edit Statistics Output area Tools Options Window Help											
	🗅 😂 🐜 🗸 📔 🛤 🔹 🖍 📥 🖄 🗵 💭 💷 🔶 🔶 📫 😫 🛤 🗮 🗵 💭											
Nr	Date	Band	Mode	Call	UTC	Sent RST	Num sent	Rovd RST	DOK	DOK are	Point	Flags
1	18.Apr.2013	20m	CW	DL8MBS	2049	599	001	599	×06		0	
2	18.Apr.2013	20m	CW		2049	599	002	599			0	

When you "tab" from the callsign field to the time field the cursor will place on the last digit which you then can simply overwrite, so you need not to fill in the whole four digit timestamp. If you need to change more than the last minute clear the necessary digits with *backspace*.

Now is a good time to save the log on your hard disc via menue points *File>save as...* and choose at best your call as file name, resulting in a file like AA0AAA.Imf. It is good practice to save regularly during data entry with *CTRL-S*.

#### Fasttrack for advanced users:

Fill out *coloumns* insted of rows. Hitting *Enter* i.e. after each call will place the cursor in the field for the next call. After entering all calls you will then enter all times and so on. It is faster but for a start filling out complete log lines may be more intuitive for many. But it is something to check what fits better for you.

#### **QTC entry in WAEDC**

Im also allows to enter QTCs post contest which is done even by more seasoned operators who like the flexibility and somewhat easier correction possibility by logging QTCs on paper. When WAEDC is choosen as contest the first coloumn of a log line is initially named **QSO**. But if you click on this field in the log line you see the additional choices of **QTCsent** and **QTCrcvd** (depending whether you are in Europe, DX or operate in WAEDC RTTY the rules stipulate who can or must send and/or receive QTCs, but Im is ready for everything).



In the log line you have to fill the respective fields (Im only allows to enter data in those fields fitting to your case) which may look like this when a US station has transmitted 2 QTC to a German station:

QTC	Date	Band	Mode	Call	UTC	Sent RST	QSO number	Revd RST	QSO number	QTC: serial number	QTC: QSO time	QTC: QSO call	QTC: QSO number
QSO	13.Aug.2016	20m	CW	DR2Q	1945	599	123	599	005				
QSO	13.Aug.2016	20m	CW	DL8MBS	1947	599	124	599	003				
Sent QTC	13.Aug.2016	20m	CW	DL8MBS	1947					25/2	1534	S50A	723
Sent QTC	13.Aug.2016	20m	CW	DL8MBS	1947					25/2	1538	RU1A	984

For logging subsequent QSOs then click on **QSO** in the first coloumn of the log line.

#### Last step - getting the logfile for submission

When you have inserted all QSOs hit the **F5-key** once to get the score calculated, save again with **CTRL-S** and then click in the menue "**File>Export>Cabrillo**" (see below) and choose your call used in the contest as name for the then generated file with a name like AA0AAA.log Save it on your disk where you like.



Now is a good time to also export the log in adif-format via the same menue just one item below. The adif can then be imported into your allday QSO logbook to add all contest QSOs.

Now *doubleclick the Cabrillo file:* These .log files are simple text formats like .txt formatted files and therefore should open in the basic text editor of your computer. If the PC initially should ask which program to use chose the basic text editor as standard and be done with it for all following Cabrillo files.

The opened log file should look such with a header portion containing info about contest, call and category followed by the part with the log lines of QSOs.

				The second se
AA0AAA.log - Editor				-
Datei Bearbeiten Format Ansicht	?			
START-OF-LOG: 3.0				
CREATED-BY: LM Version 4.8	(c) 1992, 20	12 by DL8WAA		
LOCATION: DX				
CONTEST: WAG				
CATEGORY_OPERATOR: STNGLE_	OP			
CATEGORY-TRANSMITTER: ONE	0F			
CATEGORY-ASSISTED: NON-ASS	ISTED			
CATEGORY-POWER: LOW				
CATEGORY-STATION: FIXED				
CATEGORY-BAND: ALL				
CATEGORY-MODE: CW				
CLAIMED-SCORE: 84				
CLUP:				
NAME .				
EMATI :				
SPECIFIC:				
ADDRESS:				
SOAPBOX:				
Q50: 14000 CW 2016-10-15 2	026 AAOAAA	599 001	DR2Q	599 X06
QSO: 14000 CW 2016-10-15 2	026 AAUAAA	599 002	DL8MBS	599 X06
QS0: 14000 CW 2016-10-15 2	027 AAUAAA	599 003	DD 5M	599 541 500 CO1
050: 14000 CW 2016-10-15 2	030 AA0AAA	599 005	DEOHO	599 X34

Check whether basic infos about call, category and power fit to your operating in the contest.

In DARC contests the category titles need NOT fit exactly with the wording for them in the

#### rules, as this will be done properly later in the upload dialog with the robot.

Final plea: Have a look at the log lines for obvious irregularities or missing items – to save you and the adjucators time and nerves.

Now you are done: Save the file again and submit via the upload tool of the contest.



## Convert any log with Im into Cabrillo format

The **software Im** also allows to make files in the required format cabrillo out of logs with nearly any initial did-it-yourself arragenment of log coloumns or from the output of logging programs that cannot export cabrillo files. How it works:

Click "*file>import*" and then either choose one of the given format types (if your log comes in one of this types like swisslog or the common adif format) or choose "*ASCII-Import*".

It will open the menue shown below to choose in the upper left the contest (in this example WAG as non-DL station), the *callsign used* in the contest, single- or multi operator, powerlevel and finally *"OK" at the bottom*. Of course it is fine to also add soapbox comments and operators.

🔐 LM					Header data		×
File Options Help					Contest USKA-Weihnachtswettbewerb SSB (HB9)	My callsign	Category Power
🗋 New	Ctrl+N				VFDB Z-Contest VK/ZL Oceania DX Contest CW (DX-Side) VK/ZL Oceania DX Contest SSB (DX-Side)	Category Operator	LOW  Tategory Station
Geopen Reopen	Ctrl+0				WAE DX Contest DW WAE DX Contest RTTY WAE DX Contest RTTY WAE DX Contest SSB WAG Contest [DL-Side]	SINGLE-OP	FD/ED
Batch work	•	CT data files (*.bi NA data files (*.qo	n) Jf)		WASI Loncest from UL Westlan Nord Aktivitätag WAV South America Contest (DX-Side) Country file C:\ProgramData\Gebland\LM\C pri Browse	Category Assisted NDN-ASSISTED	
E-Mail Journal	Ctrl+E	Qvv data nies (*.c			Station description	Operator list	
Show LM program d	ata 🕨	Cabrillo files	F0 F7		E-Mail address	Contest Club	
Exit	Alt+X	ADIF files		100			Core OTH an ADDI station
		ASCII text file	F8	-		Spec. belonging, e.g. DOK	DX
	1	Auto detect	F9		Mail address	Soapbox comment (max. 255	5 letters)
				•	Coad user da	ita from file	X Cancel ? Help

Clicking "OK" opens the real *converting-menue*, which allows to *mark and assign the coloumns* in the existing log to the required sequence of Cabrillo. Initially the log to be converted looks such with coloured markers unsorted scattered around:



The lower part has *coloured fields* for the respective contents like day, hour, received exchange etc. There you can insert the *number of the respective coloumns* for this position in your log as indicated by the number of the coloumn shown on top of the menue (*red arrow*).

In this example the *red fields for day* have to be filled with 7 to 8; the fields for mode with 24 to 26 (be generous with the necessary field lengths to adjust to their possible size, i.e. better three coloumns for RST if you have worked in CW or mixed mode...), but not too much to not include letters or figures already belonging to another log-coloumn. In this example you could use for *Call* up to coloumn 54 (even if this length will not be needed by any callsign). The software indicates the range of your selection with markers in the colour of the respective content like call or day so that you can always check whether your selection fits. When all fields are filled it should look such - and can still be changed when you detect something when scrolling down the log:

Ng Ite	stLogConvert (E:\Check							×
0			000000000					
1	23456789012	34567890123456	789012345	678901234	56789012345678	90123456789012	3456789012345678	9012345678
145 2	0131020 054	8 14025.5 CW	599 14	4 DK8ZB	599	F 5 4	3	
146 2	0131020 054	8 14025.5 CW	599 14	5 DFOSX	599	P51	3	
147 2	0131020 055	1 14023.0 CW	599 14	6 DL8SCG	599	P01	3	
148 2	0131020 055	4 14013.5 CW	599 19	7 DL9ABM	599	H07 H	S	
150 2	0131020 060	7 14027.4 CW	599 14	9 DL1BUG	599	V18	3	
151 2	0131020 061	6 14016.1 CW	599 15	0 DK9PY	599	K04	3	
152 2	0131020 061	7 14012.9 CW	599 15	1 DG7EE	599	s54	3	
153 2	0131020 061	8 14012.5 CW	599 15	2 DL5GAC	5.9.9	P09	3	
154 2	0131020 062	1 14021.0 CW	599 15	3 DD5A	599	V10	3	
156 2	0131020 062	4 14019.6 CW	599 15	4 DJUSP	599	N 5 3	S	
157 2	0131020 063	2 14035.2 CW	599 15	6 DECDA	599	R34	2	
158								
159 2	0131020 063	4 14036.6 CW	599 15	8 DL8MKG	599	W13 3	3	
160 2	0131020 063	5 14037.0 CW	599 15	9 DM3W	599	¥24	3	
161 2	0131020 063	5 14038.3 CW	599 16	0 DP6T	599	F49	3	
162 2	0131020 063	8 14044.0 CW	599 16	1 DLOXM	599	S41	5	
164 2	0131020 071	1 14226 0 TER	50 16	2 DL3DOL	599	x 2 8 X	2	
165 2	0131020 073	4 14223.0 USB	59 16	4 DLOLK	59	E03 E	3	
166 2	0131020 073	6 14217.0 USB	59 16	5 DLOKWH	5.9	¥07	3	
162 0	cital la cara	7 1 1 1 1 1 0 1 10 1	cn i c	e nyon	EA	1 A O A		
	Date	UTC	Cal Ba	nd Mode	Sent		Data format	0.8
	Day Month	Year Hour Minud	e		RS(T) Num sent	Sent2	+ : 🗳 ar	423
ALC: NO							C New	
trom							@ Known	FleExt
400							HAM DARC (* TXT)	▼ TXT
10							, , , ,	
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	and the second s						Pand Mada	Congore areas
	RS(T) DOK	Rovd2	Rovd3	Rovd4	Rovdb		80m × OV ×	6 mm 1
from	55 🤤 61 🤤	0	0	0	0			nom 1-
				_			Date	
to	57 🗧 64 🔤	0 🚊		<u>○</u>			07. Mrz.2010 💌	to 184
					Tabulates Issuel	8 *		1.1
					Tappiator jengti		V OK X Cancel	7 Help

If everything looks ok, click on "OK" (choose "no" if asked whether you want to change a specific "list"). Now a regular Im-log with its white and yellow lines should open. If it is ok, then choose "*File>export>Cabrillo*" and save the file with the used callsign as filename like AA0AA.Imf where you want to store it on your disk.

Then *doubleclick the file*, which should open in a text editor, check the informations in the header, have a look at the log lines for obvious irregularities, save again. Again: In DARC contests you need you to fill in the exact wording of the category names into the header of the Cabrillo log, as the later upload dialog will take care of setting the correct category name.

You're done :-)