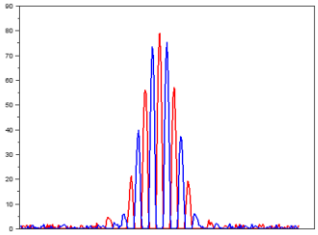
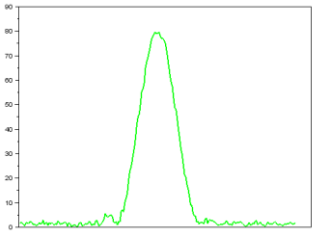
RELEASE NOTES

Software & firmware versions

UTView 3.0 Patch 1

Components	Versions	
API software	3.0	
UTView_64.exe		
UTView_32.exe		
Configuration file		
UTView.ini	5.4	
Language files	2.2	
English.xml		
French.xml		
Library	8.0.1	
sidev_64.dll		
sidev_32.dll		
Additional programs	2.2.2	
SIPATOOLS_64.exe		
SIPATOOLS_32.exe		
Firmware files		
FAAST-PA		frm_pa_141220.bin
SOCO-SWIFT-PA		frm_ssw_141220.bin
SOCO-X-UT		frm_soco_141220.bin
Configuration files		cfg_generic_141020.bin
For all devices		
Additional files		
FAAST-PA		cfg_pa_1x32_080719.bin, cfg_pa_2x32_080719.bin, cfg_pa_3x32_080719.bin, cfg_pa_4x32_080719.bin, cfg_pa_1x64_080719.bin, cfg_pa_2x64_080719.bin, cfg_pa_1x96_080719.bin, cfg_pa_1x128_080719.bin, cfg_pa_1x32_128_080719.bin
SOCO-SWIFT-PA		cfg_ssw_1x32_100320.bin, cfg_ssw_1x64_100320.bin, cfg_ssw_1x96_100320.bin, cfg_ssw_1x128_100320.bin
SOCO-XP-UT		cfg_soco_xp_141019.bin
SOCO-8S-UT		cfg_soco_8s_141019.bin
SOCO-1-UT		cfg_soco_1_141019.bin
SOCO-1AB-UT		
Interface modules		
INTLOG_IN:	3.0	INTLOG_IN_V_3_0_0.pof
INTANA_OUT:	2.3.1	INTANA_OUT_V_2_3_1.pof
INTLOG_OUT:	2.3.1	INTLOG_OUT_V_2_3_1.pof

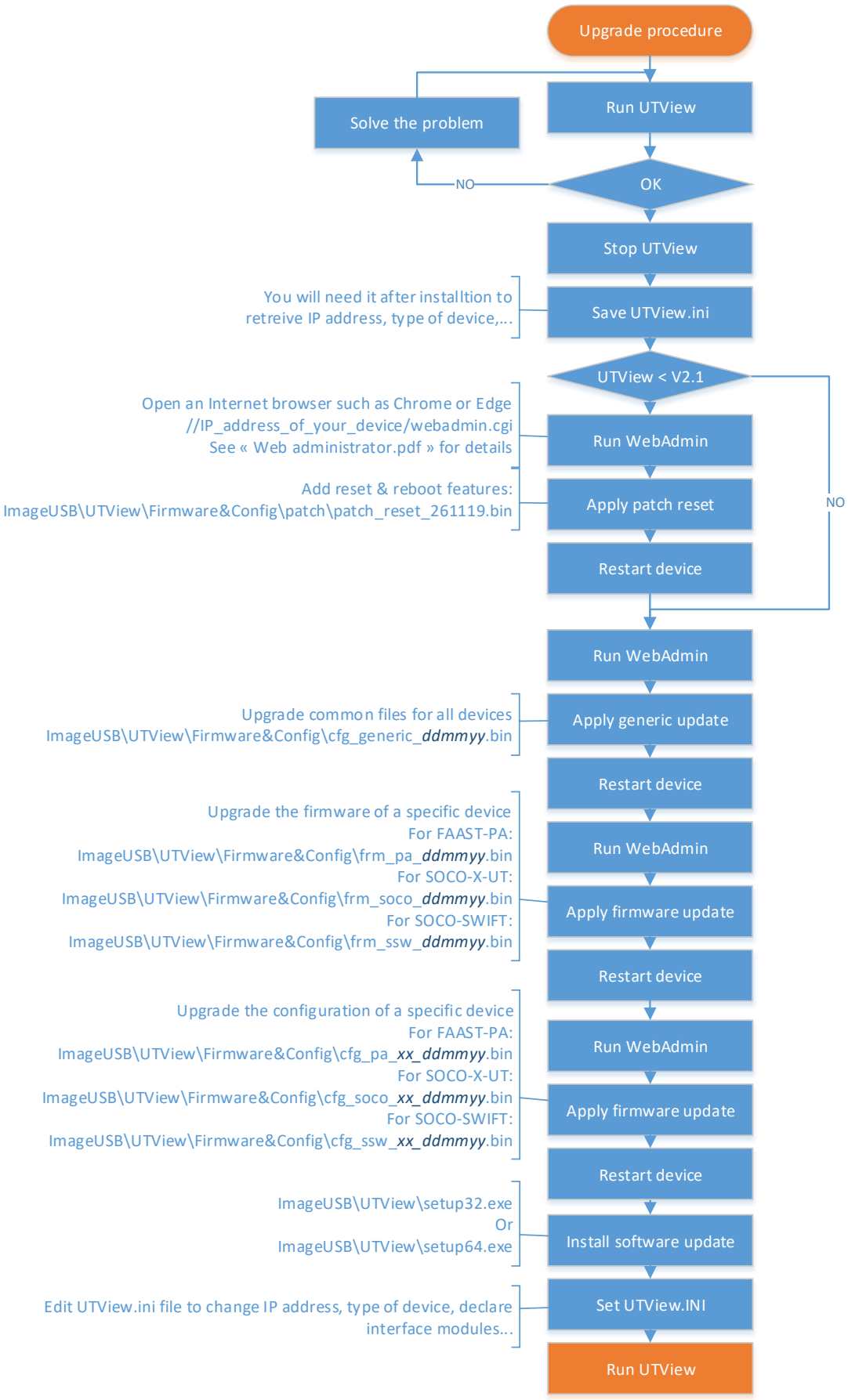
New/Improved features

ID	Description
	Generic features
	Enable negative scope offset to see before the synchronization event. Of course, the synchronization event must be not the initial pulse ☺
	Add a new scope mode "envelope".   Full wave Envelop
	Add new scope capture modes. This feature determines which gate and measure into this gate to use to select the best A-scan. Very useful on rotating head and all other dynamic systems.
	Add automatic DAC size adjustment with Back Echo Tracking.
	Get temperature alarm with "device%d_temperature" parameter. Previously, only temperatures were returned.
	Support for a new option for the LINK_OUT port. A hardware supplement named "LOCRY" can be installed on the port LINK_OUT. This complement converts the LINK_OUT port to an output port of the Synchro cycle, shot and READY signals. This can be useful when you don't have an INTLOG_IN interface card and you want to synchronize external devices such as PLC or recorders. It should be noted that this option is present in the UTView.INI configuration file as LINK_OUT_PORT= SYNCH_OUT
⚠ Behaviour has been changed	The thickness measurement goes back to zero if no measurement is obtained in the gate during more than N shots defined by the number of deviations into WT parameters. Previously, the thickness measurement was maintained at the last valid measure.
	Phased array features
	Add interlacing mode to execute the scanning to avoid against ghost echo between the steps of the scanning.
	Enable to shift the aperture of the delay laws without rebuild the law. It is useful when you want reuse a law at different position on the multi-elements probe.
	Add geometry tool to compensate the shape of the probe and the profile of the piece to control.
	The temperature alarm threshold has been changed to 60°C.
	Some new features have been added to SIPATOOLS such as: A new argument in command line to execute SIPATOOLS in back ground (invisible) Command line: SIPATOOLS_64.exe – Hide A new annular mode has been added. A new message appears asking you to record changes to the piece or probe when you change tabs.

Bug fixed

ID	Description
	All A-scans were frozen when the display of an A-scan was synchronized by an echo in a gate and there was no echo into this gate. This version fixes this problem.
	The A-scan was not correct when synchronized by Gate 1 and Gate 1 was synchronized at the beginning of the interface gate. This version fixes this problem.
	This version improves the data acquisition on the first cycles of external synchronization. The previous version could lose some early data in certain circumstances.
	This version improves the initialization of analogue outputs. The previous version may not properly program outputs when the device is started.
	This version fixes a bug into SIPATOOLS to get a correct law on matrix probe.
	This version fixes a bug into SIPATOOLS to get a correct law on matrix probe when you want to flip the law with the "inverse" button.
PATCH 1	The duration of the DAC of SOCO-X P models is not correct after loading a file if, and only if, the DAC is synchronized from an echo into interface gate and the emission of the channel is shifted (emission offset) The firmware has been updated to fix it.
	The process to manage the special modes of the scope has been improved. The MAX or conditional modes is automatically switched off when another A-scan channel must be refreshed. As a reminder: These modes are only available if only one A-scan is displayed. The DLL has been updated to fix it.
	A bug to read the register key "HardwareEmulator" has been solved. The DLL has been updated to fix it.
	The maximum position and duration of gates have been updated and limited to 655usec. The maximum pulser offset of SOCO-XP-UT has been updated and limited to 300usec. The DLL has been updated to do it.
	The name of trigger "Initial pulse" has been replaced by "Start detection" for multi-elements devices to be more representative. The plugins Scope, Gates and Receiver have been updated. The language files have been updated too.
	The DAC capture position was not correct when A-scan was synchronized by the position of the interface gate. The Ascan plugin has been updated to fix it.

How to upgrade an existing system



SOCOMATE INTERNATIONAL
8 Rue des Abbesses
77580 Crécy la chapelle
FRANCE
Tel: (33) 1 64 63 81 09
Fax: (33) 1 64 63 60 21