

Item #	Item Description	Who Presented the Idea	Bug, Feature, Info, IEEE work, Admin	Priority (Hi, Med, Lo)	Responsibility
1	GPA to provide links to Open Source information to meeting attendees. Also send info on GOOSA (grid open source software alliance) as a utility community to develop a library of related Open Source tools.	Fred Elmendorff	Admin	Done	Fred Elmendorff
2	Create a membership list with contact information. Membership is voluntarily with no prerequisites. Minutes, WUG invitations and other correspondence will be sent to the membership list. Active membership may be periodically adjusted by long term absence.	Amir Makki	Admin		Tom Owens
3	Condense Draft of 2012 minutes into concise statements and send to WUG officers.	Amir Makki	Admin		Eric Conley
4	BUG fixes have highest priority. Other items in the minutes will be grouped and prioritized by the Wavewin developer (Maria). An update will be sent to WUG members (date TBD) once all items are reviewed.	N/A	Admin		Maria Makki
5	Send out draft of Minutes by Sept 30, 2013 to all attendees	N/A	Admin	Done	Tom Owens
6	After comments received, publish minutes to all WUG members by Oct 31, 2013. Sent Nov 25th.	N/A	Admin	Done	Tom Owens
7	Anywhere you use m in the equation for software operators, use r instead (r=RMS) in the power equations (SAC). Fix VA units.	Robert Orndorff	Bug		Maria Makki
8	When user updates the parameters for fault location (such as LL and Z), do not refresh the editable fields.	Robert Orndorff	Bug		Maria Makki
9	When Wavewin window is on extended screen, double clicking to maximize causes the main screen not the window on the extended monitor.	Angel Diaz	Bug		Maria Makki
10	In File Manager, for vertical and horizontal scroll bars, do not move cursor, move the window. Should work like windows scrolling. Scroll as soon as you push arrow.	Angel Diaz	Bug		Maria Makki
11	Does not read APP info if R number is more than 2 digits.	Robert Orndorff	Bug		Maria Makki
12	Convert EMAX to COMTRADE, on going work.	Robert Orndorff	Bug		Maria Makki
13	Lobby our DFR and relay vendors to comply with C37.111-2013. IEEE working on a test plan with certification costs to vendor and entities. Members encouraged to comment on	Tom Owens	Compliance		All WUG members
14	What does Wavewin show as the Time quality code if the device file does not support the new fields? Notify IEEE of omission in standard	Maria Makki	Compliance		Maria Makki
15	Check Wavewin compliance to COMTRADE-2013 standard.	Amir Makki	Compliance		Frank Jankovich
16	Extend accumulator for software channel calculator to 64 bits.	Robert Orndorff	Feature		
17	SAC Operator field is limited by 40 characters. Make larger (min 64).	Robert Orndorff	Feature		
18	Add reference location to the DE FL Result window (123 miles from X). Check both Line Z and LL for match , notify user only when different.	Tommy Owens	Feature		
19	Scale all currents same and all voltages to a different scale in window. Scale based on unit. On, Off, +, ++.	Robert Orndorff	Feature		

20	Determine fault type and choose sequence component selection based on fault type. Do not display a result when that type calculation should not be used. Way to handle multifault types in same record.	Robert Orndorff	Feature		Report from Amir and Angel.
21	When FL window reads SEL data, convert Z to primary from secondary. Add Primary and secondary for line parameters in the device driver. Start by adding button for user to toggle and migrate toward automatic lookup table for automated analysis.	Tommy Owens & Amir Makki	Feature		
22	Add FL trace as a new software analog channel (SE and DE). 1st part of long term goal for automated FL.	Tom Owens	Feature		Amir
23	Add buttons for annotations and line pointers on Waveform display. Add dialog that allows for changing font type, size, color of annotated text and changing color, width for lines, boxes and circles. Save not required.	Tom Owens	Feature		
24	Add 3 phase power, Sequence Components, (etc...) software analog channel with click of a button when viewing a line group.	Tom Owens	Feature		
25	Add frequency, RMS, Phase, etc... software channel with click of a button (choose which voltage channel to use) when viewing.	Tom Owens	Feature		
26	Develop interface with Active Directory for Passwords as a loadable module (Add on component).	Anthony Doering	Feature		
27	Convert collected records automatically in the selected COMTRADE format.	Anthony Doering	Feature		
28	Automatically port switch when a terminal window is opened (reserve login and logout function keys). When leaving terminal mode, automatically log out.	Anthony Doering	Feature		
29	Provide a user friendly way to perform common control characters in terminal mode.	Anthony Doering	Feature		Amir report
30	Add Save path column to Automatic Import into Wavewin, from a spreadsheet. Applies to export also.	Anthony Doering	Feature		
31	In Wavewin file manager, as a user preference, create a list of customized folder rules - ordering columns, sorting, sizing columns, titling of optional columns. If empty, use a default. Reference COMNAMES standard section "Universality".	Angel Diaz	Feature		
32	Automated analysis of Fault Records based on equipment lookup table to run SE FL, DE FL, Fault Inception Time, Fault Duration, etc.. . Produce a report into a database that sends email to selected recipients. Info is searchable in the database. System analyzes all data associated with the equipment identified. Use Open XDA as a SE FL tool and develop a tool to do double ended. Develop Spec and proceed.	Zachary Sigalov	Feature	High	
33	No click DE FL of two transient DFR type records for a fault and display the FL as a software analog channel using structured data (line groups).	Zachary Sigalov	Feature	High	
34	What type of FL algorithm is used to calculate the fault? When to use Positive Seq vs Negative Sequence. When to use Zero Sequence (if ever)? Wavewin check fault type and select best method before running fault calculator.	Tom Owens	Feature	High	
35	Develop spec for Channel (line) groups.	Tommy Owens	Feature		Robert send spec to Amir

36	Add Load Profile retrieval from SEL meters (734, 734P, 735). Then convert each recorder data to COMTRADE and import into PQView. Robert send spec to Softstuf.	Robert Orndorff	Feature		Robert send spec to Amir
37	Add scales to Y axis for each analog channel. Set as user preference. Graph if room available, text if not. Robert send more info to Softstuf.	Robert Orndorff	Feature		Robert to send info to Amir
38	Forward source code for creating COMTRADE files from scratch (harmonic COMTRADE generator).	Robert Orndorff	Feature	Done	Robert Orndorff
39	Softstuf needs new (.cff) COMTRADE files from devices to test their compliance to the latest standard. WUG members to send records to Softstuf, when available.	Amir Makki	IEEE work		All WUG members
40	Forward email on Standard 61131 (CANOpen) to COMDEV working group. Zachary forwarded more details via email to Amir after the meeting.	Zachary Sigalov	IEEE work		Amir send email to WG chair
41	Lobby IEEE and forward Line Group "artwork" to IEEE to amend COMTRADE based on APP/USI format. Use channel group proposal from Robert.	Tommy Owens	IEEE work		Amir request task force to IEEE
42	Define annotation idea (sample/channel/text) and forward to IEEE to amend COMTRADE standard.	Amir Makki	IEEE work		Amir request task force to IEEE
43	Theory of Compliance Relativity	Amir Makki			