	A	В	С	D	Е
1	IBISv5.0 AMI specification BIRD task list				
Descripti 2	ion	Clarification or correction	New feature	BIRD file name	Date done
3					
	eveloper questions (and some more related ones)	1			
	In the standard of the file name? no, the first token in the file actually does not need to be checked for matching to the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while this may be added as a support of the filename; while the filename is the filename of the filename is the filename	5.1		Definitions_BIRD.txt (BIRD 114)	August 24, 2010
meeting a	pecific uired or optional ("The file must have 2 distinct sections, or sub-trees")? (provided to parser developer by Arpad) Per our discussion today in the ATM and Ambrish's approval, please tell the parser developer, that the intent was to have an optional Model Specific section in the .ami file which means e is no requirement to have 2 sections at all times in the .ami file. We will write a BIRD to make the necessary changes in the specification.	5.1		Typos_Format_Value_ Default_BIRD.txt (BIRD 127)	January 18, 2011
case sen 7 - are .AMI	sitivity I files case sensitive? yes	5.1		Definitions_BIRD.txt (BIRD 114)	August 24, 2010
	th limit a line length limit in .AMI files? Only the Description string in the .AMI file was intended to have a 120 character limit *per line* (the Description string multiple lines). The rest of the .AMI file lines are effectively unlimited in length.	5.1		Definitions_BIRD.txt (BIRD 114)	August 24, 2010
- define control - what is to uses.	t character omment character for .AMI files in the AMI portion of the spec. the comment character in .AMI files? For .AMI files only the character is acceptable as a comment character, regardless of what the calling IBIS file //" used in an example? That example is a C source code excerpt from the DLL	5.1		Definitions_BIRD.txt (BIRD 114)	August 24, 2010
white spa - define w in .AMI fil		5.1		Definitions_BIRD.txt (BIRD 114)	August 24, 2010
string 11 - define w		5.1		Definitions_BIRD.txt (BIRD 114)	August 24, 2010
integer 12 - define w	/hat it is	5.1		Definitions_BIRD.txt (BIRD 114)	August 24, 2010
float 13 - define w		5.1		Definitions_BIRD.txt (BIRD 114)	August 24, 2010
scale fac	tors o .AMI files do not permit scaling factors or suffixes such as p, n, etc. Scientific and floating point notation is permitted.	5.1		Definitions_BIRD.txt (BIRD 114)	August 24, 2010
	ples with string parameters to match the string definition.	5.1		BIRD 114	September 8, 2010
- is incren - does de Default m Sweep st	ossible values nent always positive? yes fault have to obey min <= default <= max? I would think yes nust be a legal value according to Format. Solved in the "Typos" BIRD (BIRD 127). tarts at typ, tool goes up closest to max, then goes down closest to min. It is therefore always a positive number.	5.1		MinTypMax_BIRD.txt	September 21, 2010
Init_Retu - inconsis - is the pa should be	Ins_Impulse and GetWave_Exists True Ident (correct) Identify a rameter "Default" not allowed for it? (provided to parser developer by Walter) There is no default for these two; they must be specified. The BIRD be amended to say something like: and are required if the [Algorithmic Model] keyword is present. The entries following the reserved parameters points to its usage, type and value. All reserved parameters must be in the following format: (parameter_name (Usage <usage>) (Type <data_type>)</data_type></usage>	5.1		Typos_Format_Value_ Default_BIRD.txt (BIRD 127)	January 18, 2011

	A	В	С	D	E
1	IBISv5.0 AMI specification BIRD task list				
2	Description	Clarification or correction	New feature	BIRD file name	Date done
	"Format", "Value", "Default" - define rules 1) For the first 5 Reserved Parameters (listed on p. 145 of the PDF and below), the following two rules are to be observed: - "Format" is illegal and is therefore prohibited - "Default" is required and must be present 2) For all other Reserved Parameters and model-specific parameters, - "Format" is required and must be present - "Default" is optional and may or may not be present Recall that the first 5 Reserved Parameters covered by (1) above are: GetWave_Exists, Init_Returns_Impulse, Use_Init_Output, Max_Init_Aggressors and Ignore_Bits. This means that the text description on page 144 of the 5.0 specification is correct. Table 1 and Table 3 of Section 6c have certain ambiguities, as you have highlighted, which these two rules will correct. A future version of the specification will make this clearer and more explicit. Note that these two rules build in an ambiguity about the relationship between "Format" and text strings. We advise flagging a warning that these are not currently parsed or covered in the specification (your choice).	5.1		Typos_Format_Value_ Default_BIRD.txt (BIRD 127)	January 18, 2011
	Wording on pg. 140 of the specification may imply that: - Usage is optional for Reserved Parameters - Type and Format are optional since defaults are defined for them Based on the stated and agreed upon syntax rules, Usage and Type are always required. No defaults are needed. Currently, Format always requires an argument starting with a word from the list: Value, Range, List, Corner, Increment, Steps, Table, Gaussian, Dual-Dirac, DjRj. No default exists for Format. However, Walter is working on a BIRD to make Format optional and eventually deprecate it.	5.1		Typos_Format_Value_ Default_BIRD.txt (BIRD 127)	January 18, 2011
	Table - is a space required after "Table"? The "Table" format is specifically named as a "branch", which must have white space separating its name, "Table", from its value. pg 186: 2. Parameter name/value pairs are always enclosed in parentheses, with the value separated from the name by white space. pg. 140: Table The parameter name "Table" names a branch of the parameter tree rather than a single leaf. One of the leaves of this branch can be named "Labels" and, if provided, is to be	5.1		False alarm. The spec doesn't say that a branch must be separated from its value by a white space.	Do nothing. Sepember 10, 2010
20	According to the BNF, the Format = Table syntax is invalid. In this example: (Format Table (Labels Row_No Time Probability) (-5 -5e-12 1e-10) (-4 -4e-12 3e-7)) Instead of the Table keyword, a list is expected according to the spec. If the table syntax would be changed to the following, then it would be consistent with the spec.: (Format (Table (Labels Row_No Time Probability) (-5 -5e-12 1e-10) (-4 -4e-12 3e-7)) If Format is removed, this s not a problem, but if Format is there the problem still exists. Do we need to fix this?	5.1		Typos_Format_Value_ Default_BIRD.txt (BIRD 127)	January 18, 2011
22	The syntax for a leaf is: <leaf>: (<parameter name=""> whitespace <value list="">) So in a Table which is written like this. (50, 0.1.16, 35) - 50 is actually a parameter name, i.e. actually a parameter name. Need analysis.</value></parameter></leaf>	5.1		???	
	So in a Table which is written like this: (-50 -0.1 1e-35), -50 is actually a parameter name, i.e. a string, not a value. Need answer! Is NA in Table 1 correct for Default of Init_Returns_Impulse and GetWaveExists? (Why do we have default for a required parameter which implies that it is not required)? - it is required, so why NA? Arpad: The table has to be corrected to reflect what is in the text.	5.1		???	

A	В	С	D	Е
IBISv5.0 AMI specification BIRD task list				
Description 2	Clarification or correction	New feature	BIRD file name	Date done
Incorrect examples for:				
(Init_Returns_Impulse (Usage Info) (Type Boolean)(Default True))			Typos_Format_Value_	
(GetWave_Exists (Usage Info) (Type Boolean) (Default True))	5.1		Default_BIRD.txt	January 18, 2011
according to Table 3, the Format must be specified and must be of format type "Value".			(BIRD 127)	
- Note that some of the rules build in an ambiguity about the relationship between "Format" and text strings. 4 Arpad: The examples are correct based on the rules in the text, the table has to be corrected to reflect what is in the text.				
Define relationship between Type and Format (allowable possible combinations)				
For example,				
if Type = Tap what are the allowable Formats?				
Is it OK to use Corner Format with String type ?				
How is UI different from Float ?				
According to Walter:				
Type Allowed Formats Boolean Value, List, Corner				
Boolean Value, List, Corner String Value, List, Corner	5.1		???	
Float Value, List, Corner, Range, Increment, Steps				
Integer Value, List, Corner, Range, Increment, Steps				
UI Value, List, Corner, Range, Increment, Steps				
Tap Value, List, Corner, Range, Increment, Steps				
UI specifically is used to describe the values of parameters that are in Seconds. If the Type is Float, then a value of 10e-12 would be interpreted				
at 10ps. If the Type is UI, and the bit_time was 100ps, then a value of .1 would be interpreted by the EDA tool (and the DLL) as 10ps.				
6 What about Format Table, Gaussian, DjRj and Dual-Dirac? (See row 46-47)	row 46-47	row 46-47	row 46-47	row 46-47
Description				
- define rules, required/optional			Typos_Format_Value_	
about a year ago we agreed to a rule that Description is required for Reserved_Parameters and optional for Model_Specific - based on picking	5.1		Default_BIRD.txt	January 18, 2011
out actual parts of Section 6c that supported the above rule. The Parser enforces this rule. I think making Description optional is the best way			(BIRD 127)	
to go and a compromise. Otherwise we change compliant models. Bob (It is now optional according to BIRD 127).				
28 AMI flow related				
Order of EDA tool convolution and first Tx GetWave call	5.1		AMI flow BIRD	October 5, 2010
add parameter: Init_Returns_Filter			(BIRD 120)	· ·
		5.1+	(BIRD 120)	
		5.1+ 5.1+	(BIRD 120)	
process Rx pad waveform with Rx_GetWave impulse_matrix			(BIRD 120)	
process Rx pad waveform with Rx_GetWave impulse_matrix - can AMI_Init only modify the first column?			(BIRD 120)	
process Rx pad waveform with Rx_GetWave impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors?			(BIRD 120)	
process Rx pad waveform with Rx_GetWave impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter:	5.1		(BIRD 120)	
impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column	5.1		(BIRD 120)	
impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns	5.1		(BIRD 120)	
impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow	5.1			
process Rx pad waveform with Rx_GetWave impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times	5.1		clock_times_BIRD.txt	May 4, 2010
impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times 4 - clarify various topics				May 4, 2010
process Rx pad waveform with Rx_GetWave impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times - clarify various topics impulse response			clock_times_BIRD.txt	May 4, 2010
impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times - clarify various topics impulse response - define how it is generated			clock_times_BIRD.txt	May 4, 2010
process Rx pad waveform with Rx_GetWave impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times - clarify various topics impulse response - define how it is generated - clarify what is its unit			clock_times_BIRD.txt	May 4, 2010
process Rx pad waveform with Rx_GetWave impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times - clarify various topics impulse response - define how it is generated - clarify what is its unit - what should be done in absence of an analog IBIS model?	5.1		clock_times_BIRD.txt	May 4, 2010
impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times - clarify various topics impulse response - define how it is generated - clarify what is its unit - what should be done in absence of an analog IBIS model? - if Thevenin (LTI) buffer is used, what should be the amplitude?	5.1		clock_times_BIRD.txt	May 4, 2010
impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow Clock_times - clarify various topics impulse response - define how it is generated - clarify what is its unit - what should be done in absence of an analog IBIS model? - if Thevenin (LTI) buffer is used, what should be the amplitude? 5 what tap coefficients should the analog model represent? Driver without EQ, already in spec	5.1		clock_times_BIRD.txt	May 4, 2010
impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times - clarify various topics impulse response - define how it is generated - clarify what is its unit - what should be done in absence of an analog IBIS model? - if Thevenin (LTI) buffer is used, what should be the amplitude? - what tap coefficients should the analog model represent? Driver without EQ, already in spec parameter string (passed into the DLL)	5.1		clock_times_BIRD.txt	May 4, 2010
impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times - clarify various topics impulse response - define how it is generated - clarify what is its unit - what should be done in absence of an analog IBIS model? - if Thevenin (LTI) buffer is used, what should be the amplitude? - what tap coefficients should the analog model represent? Driver without EQ, already in spec parameter string (passed into the DLL) - are quotes and other special characters (tabs, CRLF, etc) allowed? answer ??? (BIRD 127 took care of this).	5.1		clock_times_BIRD.txt	May 4, 2010
impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times - clarify various topics impulse response - define how it is generated - clarify what is its unit - what should be done in absence of an analog IBIS model? - if Thevenin (LTI) buffer is used, what should be the amplitude? - what tap coefficients should the analog model represent? Driver without EQ, already in spec parameter string (passed into the DLL) - are quotes and other special characters (tabs, CRLF, etc) allowed? answer ??? (BIRD 127 took care of this). A string is anything between two double quotes. Anything legal in IBIS except a double quote is allowed in that string.	5.1		clock_times_BIRD.txt (BIRD 112)	May 4, 2010
impulse_matrix - can AMI_nit only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times - clarify various topics impulse response - define how it is generated - clarify what is its unit - what should be done in absence of an analog IBIS model? - if Thevenin (LTI) buffer is used, what should be the amplitude? - what tap coefficients should the analog model represent? Driver without EQ, already in spec parameter string (passed into the DLL) - are quotes and other special characters (tabs, CRLF, etc) allowed? answer ??? (BIRD 127 took care of this). A string is anything between two double quotes. Anything legal in IBIS except a double quote is allowed in that string clarify rules on how it is extracted from an .AMI file	5.1		clock_times_BIRD.txt (BIRD 112)	
impulse_matrix - can AMI_init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times 4 - clarify various topics impulse response - define how it is generated - clarify what is its unit - what should be done in absence of an analog IBIS model? - if Thevenin (LTI) buffer is used, what should be the amplitude? 5 - what tap coefficients should the analog model represent? Driver without EQ, already in spec parameter string (passed into the DLL) - are quotes and other special characters (tabs, CRLF, etc) allowed? answer ??? (BIRD 127 took care of this). A string is anything between two double quotes. Anything legal in IBIS except a double quote is allowed in that string clarify rules on how it is extracted from an AMI file Leaving the Table aside, the rules in the BNF are quite clear. (According to Walter)	5.1		Clock_times_BIRD.txt (BIRD 112) Typos_Format_Value_ Default_BIRD.txt	May 4, 2010 January 18, 2011
impulse_matrix - can AMI_init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_init can only modify the first column AMI_init may not modify the first columns - need to discuss in light of the flow clock_times - clarify various topics impulse response - define how it is generated - clarify what is its unit - what should be done in absence of an analog IBIS model? - if Thevenin (LTI) buffer is used, what should be the amplitude? - what tap coefficients should the analog model represent? Driver without EQ, already in spec parameter string (passed into the DLL) - are quotes and other special characters (tabs, CRLF, etc) allowed? answer ??? (BIRD 127 took care of this). A string is anything between two double quotes. Anything legal in IBIS except a double quote is allowed in that string clarify rules on how it is extracted from an .AMI file Leaving the Table aside, the rules in the BNF are quite clear. (According to Walter) - double quotes are not allowed except surrounding string variables	5.1		clock_times_BIRD.txt (BIRD 112)	
impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the forestalk (not first) columns - need to discuss in light of the flow clock_times dipulse response - define how it is generated - clarify various topics impulse response - define how it is generated - clarify what is its unit - what should be done in absence of an analog IBIS model? - if Thevenin (LTI) buffer is used, what should be the amplitude? - what tap coefficients should the analog model represent? Driver without EQ, already in spec parameter string (passed into the DLL) - are quotes and other special characters (tabs, CRLF, etc) allowed? answer ??? (BIRD 127 took care of this). A string is anything between two double quotes. Anything legal in IBIS except a double quote is allowed in that string clarify rules on how it is extracted from an. AMI file Leaving the Table aside, the rules in the BNF are quite clear. (According to Walter)	5.1		Clock_times_BIRD.txt (BIRD 112) Typos_Format_Value_ Default_BIRD.txt	
impulse_matrix - can AMI_Init only modify the first column? - how about modifying the IR of cross talk aggressors? According to Walter: AMI_Init can only modify the first column AMI_Init may not modify the crosstalk (not first) columns - need to discuss in light of the flow clock_times - clarify various topics impulse response - define how it is generated - clarify what is its unit - what should be done in absence of an analog IBIS model? - if Thevenin (LTI) buffer is used, what should be the amplitude? - what tap coefficients should the analog model represent? Driver without EQ, already in spec parameter string (passed into the DLL) - are quotes and other special characters (tabs, CRLF, etc) allowed? answer ??? (BIRD 127 took care of this). A string is anything between two double quotes. Anything legal in IBIS except a double quote is allowed in that string clarify rules on how it is extracted from an .AMI file Leaving the Table aside, the rules in the BNF are quite clear. (According to Walter) - double quotes are not allowed except surrounding string variables - any ASCI character (except *) are allowed between * surrounding string variables	5.1		Clock_times_BIRD.txt (BIRD 112) Typos_Format_Value_ Default_BIRD.txt	

	A	В	С	D	E
1	IBISv5.0 AMI specification BIRD task list				
2	Description	Clarification or correction	New feature	BIRD file name	Date done
	AMI parameters in / out - describe what the purpose of parameters out is The purpose of parameters out is for the AMI_Init call, and the AMI_GetWave calls to return to the EDA tool the values of Usage Out and InOut parameters. The EDA tool is to either report these values to the user, or use these values as specified by IBIS if they are reserved parameters, or by the model maker if they are Model Specific parameters. (According to Walter) BIRD 127 does not address all of the issues!!! - which function (Init or GetWave) are allowed to return such values? - how would the EDA tool know how to deal with Model_Specific parameters?	5.1		Typos_Format_Value_ Default_BIRD.txt (BIRD 127)	January 18, 2011
	Usage related questions - clarify (Fangyr) 1. If a parameter is of Usage Info, shall it be included in the input parameter string to the Init call? 2. If a parameter is of Usage Out, shall it be included in the input parameter string to the Init call? 3. If a parameter is of Usage Info or Out, can its sub-parameter be of Usage In? Walter: According to pg. 140 "Clearly In and InOut are required to be in the input parameters string. Well-written EDA tool should not put Info and Out in the input parameter string, or any other parameter that is not specified in the AMI file that the EDA tool passes to it. Well-written DLL's should put all Out and InOut parameters in the input parameter string, or any other parameter that is not specified in the AMI file that the EDA tool passes to it. Well-written DLL's should put all Out and InOut parameters in the output parameter string, Well-written EDA tools should ignore In and Info parameter and other unknown parameters in the output parameter string. Well-written EDA tools should all InOut and Out parameter string, but handle gracefully when these Out and InOut parameters are not returns in the output parameter string. Regarding question 4, your question is worded in a misleading way. "sub-parameter" is not defined in IBIS 5.0. I believe that the following explanation does represent the intent of question 4. The current specification is clear that various combinations of question 4 are problematic. Assuming that parameter can be In, InOut, Info, or Out, and its sub parameter can independently be In, InOut, Info, or Out, there are 16 possible combinations, and some of them would violate the following rule. 1.2. Parameter name/value pairs are always enclosed in parentheses, with the value separated from the name by white space. One problematic example: (Model_Specific (Xyz (Usage In) (Type Integer) (Range 0 - 10 10) ("Description Xyz Abc control")) (Abc (Usage In) (Type Integer) (Range 0 - 10 10) ("Description Xyz Abc control")) (Abc (Usage In) (Type Integer) (Rang	5.1		Typos_Format_Value_ Default_BIRD.txt (BIRD 127)	January 18, 2011
	The following input parameter string would violate the 2. rule above: (root (Xyz 3 (Abc -5))) Add: "It is only the leaves of a parameter tree that can have Usage defined for them" Need page number (BIRD 127 took care of this).	5.1		Typos_Format_Value_ Default_BIRD.txt	January 18, 2011
39				(BIRD 127)	
	Change "parameter" to "AMI parameter" in: A leaf is a parameter if the leaf only contains sub-parameters. A parameter tree contains a root, branches and leaves. A branch of the parameter tree is an AMI Parameter, if it has one of the following leaves:	5.1		Typos_Format_Value_ Default_BIRD.txt (BIRD 127)	January 18, 2011
10 11	Where is this in the spec? Need a page number (BIRD 127 took care of this). Add a reserved parameter to the .ami file for version control	5.1		Version_BIRD.txt (BIRD 126)	December 14, 2010
2				(5.1.13)	
3 4	List from existing BIRD draft (as of February 23, 2010)				
15	remove branches: Reserved_Parameters, Model_Specific		5.1+		
	remove reserved parameters: Tx_Jitter, Rx_Clock_PDF (See BIRD 123) remove keywords: Format, Gaussian, Table, DjRj, Dual-Dirac (See BIRD 123)	??? ???			
	add keyword: Array	fff	5.1+		
49 50	Scott's suggestion: 1) clarification - top level clarification BIRD -> full document, rewrite 5.0 with clarifications - subset -> clarification sub-BIRD-s to clarify specific things (clock_time, flow, etc) 2) new stuff in separate BIRD-s (justification and proposed solutions)				

	A	В	С	D	Е
1	IBISv5.0 AMI specification BIRD task list				
2	Description	Clarification or correction	New feature	BIRD file name	Date done
52					
	Bob's suggestion: One BIRD that would be needed as a starting point is to correct/clarify Section 6c statements and examples according to these rules that were agreed upon for releasing the parser.				