



# Ibischk Parser History Since 1993

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# Ibischk Parser Developer Payments

Parser	Payments	Developer	Licenses
Ibis_chk	\$5,000	Munsey	20
Ibischk2	\$10,000	Munsey/Neville	26
Ibischk3	\$33,366	Agarwal	18
Ibischk4	\$45,000	Agar./Powell/Agar.	16
Ibischk5	\$24,000	Agarwal	16
	=====		
	\$117,366		



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# Ibischk Parser Costs

Parser	Payments	Licenses	License Cost*
Ibis_chk	\$5,000	20	\$500
Ibischk2	\$10,000	26	\$500/750?
Ibischk3	\$33,366	18	\$2,084
Ibischk4	\$45,000	16	\$2084/2,500
Ibischk5	\$24,000	16	\$2,500
	=====		=====
	\$117,366		~\$142,000*

\*Some income not accounted for or left at TechAmerica



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# Ibischk Parser Complexity

Parser	Payments	Licenses	License Cost*
Ibis_chk	\$5,000	20	\$500
Ibischk2	\$10,000	26	\$500/750?
Ibischk3	\$33,366	18	\$2,084
-pkg, -ebd			
Ibischk4	\$45,000	16	\$2084/2,500
multilingual, -caution			
Ibischk5	\$24,000	16	\$2,500
-ami, notes, -numbered			



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# 1200+ Unique Message Strings

[http://www.eda.org/ibis/ibischk5/ibischk5\\_messages\\_draft2.xlsx](http://www.eda.org/ibis/ibischk5/ibischk5_messages_draft2.xlsx)

1	Number	Symbol in Code	Message string	Parameters	Comment	Category	Classification
2	100	MDL_ERR_0	Unable to Allocate Memory: %s %d	filename, line number	The code failed to allocate memory in <filename> at <linenumber>	Internal Error	E
3	101	MDL_ERR_1	Unable to get IBIS structure		Program data structures are corrupt	Internal Error	E
4	102	MDL_ERR_2	Orphan Model keyword.		Model keyword found but not within a Model declaration	Error with IBIS file Line number	E
5	103	MDL_ERR_3	Illegal Digital Port <%s> (not allowed in SPICE Ports section)	portname	Improper use of Digital port <portname>	Error with IBIS file Line number	E
6	104	MDL_ERR_4	D_switch not allowed with (D_drive, D_receive, or D_enable) in		Improper use of D_switch	Error with IBIS file Line number	E
7	105	MDL_ERR_5	%s not allowed with D_switch in Ports/A2D/D2A Section			Error with IBIS file Line number	E
8	106	MDL_ERR_6	Reserved Digital Port <%s> used as	portname	Improper use of Reserved Digital port <portname>	Error with IBIS file Line number	E
9	107	MDL_ERR_7	Orphan data line keyword.		A Model related data line was found where none was expected	Error with IBIS file Line number	E
10	108	MDL_ERR_8	TTgnd Typical value should be > 0		Improper TTgnd typical value	Error with IBIS file Line number	E
11	109	MDL_ERR_9	TTgnd Min value should be > 0		Improper TTgnd minimum value	Error with IBIS file Line number	E
12	110	MDL_ERR_10	TTgnd Max value should be > 0		Improper TTgnd maximum value	Error with IBIS file Line number	E
13	111	MDL_ERR_11	TTgnd typ value is not in between		Improper range for TTgnd	Warning	W
14	112	MDL_ERR_12	TTpower Typical value should be > 0		Improper TTPower typical value	Error with IBIS file Line number	E
15	113	MDL_ERR_13	TTpower Min value should be > 0		Improper TTPower minimum value	Error with IBIS file Line number	E
16	114	MDL_ERR_14	TTpower Max value should be > 0		Improper TTPower maximum value	Error with IBIS file Line number	E
17	115	MDL_ERR_15	TTpower typ value is not in between		Improper range for TTPower	Warning	W
18	116	MDL_ERR_16	[Model Spec] should be specified immediately after all the subparameters of a model and		Improper positioning of [Model Spec]	Error with IBIS file Line number	
19	117	MDL_ERR_17	[Receiver Thresholds] should not be specified for model type %s	modeltype	Receiver thresholds are not allowed for a <modeltype> which is not an Input or I/O model type	Warning with IBIS file Line number	W
20	118	MDL_ERR_18	[Add Submodel] should be specified before other keywords for a model		Improper positioning of [Ad Submodel]	Error with IBIS file Line number	E
21	119	MDL_ERR_19	%s Already Defined For Model %s'	sub parameter/keyword rd, modelname	A model <sub-parameter or keyword> was already defined for <modelName>	Error with IBIS file Line number	E
22	120	MDL_ERR_20	[Receiver Thresholds] should be specified immediately after all the subparameters of a model and before the other keywords of a		Improper positioning of [Receiver Thresholds] keyword	Error with IBIS file Line number	E
23	121	MDL_ERR_21	Expecting Keyword. Invalid Line		An invalid line was found where a keyword was expected	Error with IBIS file Line number	E

