



2004 SASWare Ballot Results

PART I SAS Language

General

Overall Rank	Part Rank	Number of Votes	Item Number	
11.0	5.0	318	5	add USERINFO fields to SAS data sets to store information (metadata) about the data set and individual variables
29.0	9.0	243	2	provide a method to access Secure FTP in the FILENAME statement
35.0	12.0	231	4	add an encryption method (or enhance the current ENCRYPT= option) to provide high grade security using a 128-bit key
90.5	19.0	133	3	provide an option in the SASFILE statement to pass the named data set to a specified number of DATA and PROC steps, or all subsequent ones, until SASFILE is closed
149.5	23.0	78	1	add options of VALUE and LONG/SHORT to the GETOPTIONS function to retrieve information about how the option value was set
<i>4.0</i>	<i>2.0</i>	<i>377</i>	<i>7</i>	<i>provide an option in the SET statement to create a variable that will store the name of the SAS data set from which the current observation is read</i>
103.0	20.0	117	6	provide a method for the GROUPFORMAT option in the BY statement to be applied on a variable-by-variable basis instead of as a whole statement option
104.0	21.0	115	8	provide an option such as NOLIST to the ABORT statement to prevent listing all variables to the SAS log



PART I SAS Language

Functions

Overall Rank	Part Rank	Number of Votes	Item Number	
1.0	1.0	474	10	provide the ability to pass an ARRAY to SAS functions, especially aggregate functions such as MAX, MEAN, and SUM
8.0	4.0	327	12	provide a new parameter to the SCAN function to perform like the DSD option in the INFILE statement, to handle consecutive delimiters as separate values, and to treat delimiters within quotation marks as data
19.0	7.0	280	16	provide a method, such as a function, to return the current value of the TITLE and FOOTNOTE statements
22.5	8.0	273	11	provide a function that returns the ordinal of a word in a string, such as WORDINDEX("abc de def", "def")=3
33.0	11.0	238	15	provide a function to delete a SAS data set, the same way the FDELETE function deletes an external file
54.0	15.0	185	13	provide a function to multiply values across an observation; for example, X=MULT(2,5,3);
129.5	22.0	91	14	provide a method to determine when the last update occurred on the zip code table that is used for the ZIPSTATE, ZIPNAME, ZIPNAMEL, and ZIPCITY functions
162.0	25.0	60	9	generate a libref automatically if a macro variable named in "libref" has a null value
WHERE Statement				
36.0	13.0	228	17	provide an option to control the level of error detection when a WHERE statement fails to return any observations, to allow SAS to continue processing submitted statements or go into syntax check mode
86.5	18.0	138	18	enhance the WHERE statement to allow bit constants, as in where x='00110001'b;



	Overall Rank	Part Rank	Number of Votes	Item Number	
PART I SAS Language					
<i>Display Manager System & Enhanced/Text Editor</i>					
	5.0	3.0	364	26	provide a “code beautifier”, similar to the cb utility available with C, that will convert existing sloppily formatted SAS programs to readable format
	16.0	6.0	290	25	allow display of parenthesis nesting count at the current mouse location in the Enhanced Editor
	32.0	10.0	239	22	add an option to the Enhanced Editor to permit syntax-driven intelligent word wrapping
	50.0	14.0	197	24	add syntax completion auto-suggest capability to the Enhanced Editor
	56.0	16.0	176	20	provide an option to set or view the location of the AUTOSAVE file
	85.0	17.0	141	27	provide the ability to delete output objects from the Results Window based on the name of the object
	157.5	24.0	64	21	allow the DMS window title bar (-TITLE) to be mixed-case
	170.0	26.0	53	23	include associated key assignments when importing or exporting Enhanced Editor keyboard macros
	211.5	27.0	29	19	include some special NLS-translated data sets in SASHELP
PART II Base SAS Procedures					
<i>General</i>	6.0	3.0	335	28	provide an option to compute the mode statistic in procedures that produce summary statistics such as MEANS, TABULATE, and REPORT
<i>PROC CIMPORT</i>	90.5	42.0	133	29	provide support for the COMPRESS system option



	Overall Rank	Part Rank	Number of Votes	Item Number	
PART II Base SAS Procedures					
<i>PROC COMPARE</i>	15.0	8.0	293	32	add an option to ignore case when comparing the values of character variables
	24.5	14.5	271	30	add an EXCLUDE statement in order to remove a variable list from the comparison
	34.0	18.0	237	31	add an option to list the variables with unequal values in the output data set
<i>PROC CONTENTS</i>	52.0	25.0	191	33	provide an option to include the code that generated or modified the data set in the procedural output
<i>PROC COPY</i>	122.0	47.0	98	34	provide an option to automatically truncate data set names when copying to Version 6 libraries
<i>PROC CORR</i>	63.5	29.0	163	35	add an option to print the Pearson correlations in the upper triangle and the Spearmans correlations in the lower triangle of the correlation matrix
	80.5	39.0	147	38	provide a test to compare dependent correlations
	115.5	46.0	101	36	add an option to compute the polyserial correlation between continuous and ordinal variables
	145.0	52.0	81	37	add an option to print the n values in the correlation matrix output when n is constant for all pairs of variables in the matrix
<i>PROC CPORT</i>	92.0	43.0	131	39	provide an option to allow encryption on transport files
	175.0	54.0	49	40	add a NOCLONE option, as in PROC COPY, to both PROC CPORT and PROC CIMPORT
<i>PROC DATASETS</i>	172.0	53.0	52	41	set an appropriate value of the SYSCC macro variable when statements such as a LABEL statement generate a warning when following the MODIFY statement



PART II Base SAS Procedures

	Overall Rank	Part Rank	Number of Votes	Item Number	
<i>PROC FORMAT</i>	13.0	6.0	302	44	provide an option that would ignore case when matching a value to a range in a user-defined format
	21.0	12.0	278	42	allow the JUSTIFY and UPCASE options to apply to the VALUE statement
	30.0	17.0	241	43	provide the ability to create a PICTURE format for a character value
<i>PROC FREQ</i>	12.0	5.0	305	45	provide a cross-tabulation table template
<i>PROC MEANS</i>	14.0	7.0	294	46	provide the ability to calculate the geometric mean
	45.5	23.0	203	47	provide an option to produce the data set as the table is displayed, with NVar rows and NStat columns
<i>PROC PRINT</i>	2.0	1.0	414	50	provide the ability to display the label of the BY variable rather than the variable name on the summary line
	9.0	4.0	322	53	add an option to print a special report when no observations are found in the data set
	17.0	9.0	286	48	provide an option to force a page eject if all observations in the current BY group will not fit on the remainder of the page
	18.0	10.0	281	49	provide an option to insert a blank line after every n lines and provide a secondary option to specify the n value
	24.5	14.5	271	51	provide the ability to specify a variable that will trigger calculation of subtotals when its value changes
	39.0	19.0	218	52	add an option to put the grand total summary line on a separate page when the SUM and PAGEBY statements are used



PART II Base SAS Procedures

	Overall Rank	Part Rank	Number of Votes	Item Number	
<i>PROC RANK</i>	76.0	35.0	155	54	add a WEIGHT statement to allow the weighting of variable values
	95.0	44.0	126	55	add an option to rank that is based on a formatted value
<i>PROC REPORT</i>	40.5	20.0	214	67	add an option to keep groups from splitting across pages
	42.0	21.0	212	59	provide the ability to suppress summary lines when there is only one observation for a group
	59.0	27.0	172	64	allow a header to span more than one ID variable
	65.0	30.0	162	63	provide the ability to conditionally execute LINE statements in a COMPUTE block
	66.5	31.0	161	71	provide a method to define a SPLIT character that can be used with all ODS destinations
	72.0	32.5	158	61	provide the ability to add labels and column names to ACROSS variables in an output data set
	77.0	36.0	152	65	provide an option to display GROUP and ORDER variables in one box similar to TABULATE output in HTML, RTF, PDF, and PRINTER destinations
	78.5	37.5	150	60	provide the ability to dynamically align text from LINE statements with report columns
	78.5	37.5	150	62	provide the ability to use the break options SKIP, OL, UL, DUL, and DOL in all ODS destinations except OUTPUT
	83.0	40.0	143	68	provide the ability to determine the end of a physical page in order to place LINE statements in COMPUTE AFTER _PAGE_ blocks for all ODS destinations except OUTPUT
	84.0	41.0	142	70	add an option to suppress the printing of a blank LINE statement when the variables are blank or missing



PART II Base SAS Procedures

PROC REPORT (continued)

Overall Rank	Part Rank	Number of Votes	Item Number		
100.0	45.0	121	56	provide the ability to use multilabel formats	
128.0	48.0	93	66	allow placement control of values in the LINE statement via absolute or relative pointers when using ODS destinations other than OUTPUT	
134.0	49.5	86	58	provide support for the OF variable list syntax in conjunction with functions such as SUM and MEAN	
134.0	49.5	86	69	provide the ability to span special characters in headers for all ODS destinations except OUTPUT	
139.0	51.0	84	57	add an option that is used in conjunction with a FLOW'ed ORDER variable which would allow other variables to print beside the flowed lines of text	
<i>PROC SORT</i>	3.0	2.0	379	72	enhance PROC SORT to include a new option that would test the input data set to see if it is already in sequence
<i>PROC TABULATE</i>	22.5	13.0	273	73	add a SPLIT= option to control the splitting of labels
	27.0	16.0	254	74	allow the use of variable lists, such as A1-A3, in the TABLE statement
	47.5	24.0	202	75	add an option to use in conjunction with the MISSING option, which together would include missing value frequencies in the frequency tables but not use them in the calculation of other statistics
	53.0	26.0	189	77	provide a feature similar to PCTSUM that calculates the percentage change
	61.0	28.0	165	76	add an option such as ORDER=SUM to order by the summed value of an analysis variable that would also interact with the DESCENDING option



	Overall Rank	Part Rank	Number of Votes	Item Number	
PART II Base SAS Procedures					
<i>PROC TRANSPOSE</i>	20.0	11.0	279	78	provide an option to transpose each row of data into one variable without requiring a unique BY variable
	44.0	22.0	205	79	provide the ability to order by formatted values, including missing values, in the output data set
<i>PROC UNIVARIATE</i>	72.0	32.5	158	80	provide Grubb's test for outliers
	74.5	34.0	157	81	provide Dixon's test for outliers
PART III SAS Macro Facility					
	26.0	1.0	258	85	add a macro variable that contains the text of the last error encountered within a program
	43.0	2.0	210	82	provide an automatic macro variable that contains the folder path of the batch SAS program or the last program opened from the File menu, or when SAS is invoked via the registered file type actions
	63.5	3.0	163	84	provide a way to hide or encrypt certain macro variables
	112.5	4.0	102	83	enhance the RESOLVE function to include support for unprintable characters
PART IV Output Delivery System (ODS)					
	10.0	1.0	319	90	provide an easy-to-use GUI to generate STYLE template code
	38.0	2.0	221	96	provide the ability to justify images both horizontally and vertically



PART IV Output Delivery System (ODS)

Overall Rank	Part Rank	Number of Votes	Item Number	
55.0	3.0	179	89	provide an option for ODS PRINTER to automatically scale batch mode output to fit the page
57.5	4.0	174	97	provide a way to embed VBA code into an RTF file so that Microsoft Word will recognize and execute the code when the document is opened
66.5	5.0	161	98	provide an option to password-protect PDF files
68.5	6.0	160	86	provide a method to query ODS options, similar to ODS SHOW, and make the results accessible for use within programming statements
72.0	7.0	158	91	provide an option to control how panels are placed on a page for PRINTER and PDF destinations, such as top to bottom or left to right
80.5	8.0	147	93	provide the ability for TITLE and FOOTNOTE components to have both linked and static portions in the PRINTER and PDF destinations
88.0	9.0	135	100	provide the ability to reduce the space between PROC and DATA step tables when STARTPAGE=NO is in effect
96.5	10.0	124	92	provide the ability to control the thickness of border rules on links in the PDF destination
98.5	11.0	123	88	provide the ability to print COMPUTE BEFORE/AFTER _PAGE LINE statements on every physical page for printer destinations
108.0	12.0	108	94	create an automatic macro variable that contains the path information displayed by the ODS PATH SHOW statement
115.5	13.0	101	87	provide the ability to switch character sets in order to produce special characters that are not in the character map of the current character set



	Overall Rank	Part Rank	Number of Votes	Item Number	
PART IV					
Output Delivery System (ODS)					
	153.0	14.0	70	95	provide a way of programmatically determining the last HTML temporary file created when HTML is selected under the Results tab
	157.5	15.0	64	99	support NO_TOP_MATTER and NO_BOTTOM_MATTER for PostScript and PCL
PART V					
SAS/GRAPH Software					
<i>General</i>	40.5	1.0	214	101	allow automatically generated graphics filenames to exceed eight characters and include user-requested information such as #BYVAL
	51.0	3.0	194	108	add drill-down capability for graphs in PDF
	68.5	6.0	160	103	provide the ability to use the #BYVAL and #BYVAR options in all SAS statements
	82.0	8.0	145	105	add the ability to draw an arrow on an annotated line at a specified angle
	89.0	9.0	134	106	add a new graphics procedure to create calendar and pie charts
	139.0	16.0	84	107	provide a macro to simulate the look of ODS graph styles on server-side graphs
	141.5	17.5	83	102	add an option to the ACTION statement of a graphics procedure that assigns colors by using a variable
	143.5	19.0	82	104	add support for cross-hatch patterns in Java and ActiveX graphs



	Overall Rank	Part Rank	Number of Votes	Item Number	
PART V SAS/GRAPH Software					
<i>General</i> (continued)	159.5	21.0	63	110	provide a README file for the !sasroot/misc/applets directory describing the use of each .jar file
	226.0	23.0	22	109	add support for the MENUREMOVE parameter in the Java Map applet
<i>PROC GAREABAR</i>	197.5	22.0	33	111	add support for PATTERN statements in the GAREABAR procedure
<i>PROC GCHART</i>	74.5	7.0	157	112	add an option to calculate the percent of the sum variable for horizontal bar charts that are created by the GCHART procedure
<i>PROC GMAP</i>	119.5	12.0	99	114	provide an EXPLODE option to enlarge the specified map areas
	127.0	14.0	94	113	provide the ability to create a continuous color legend
<i>PROC GPLOT</i>	45.5	2.0	203	115	add a GROUP= option
	57.5	4.0	174	120	provide an interpolation that allows for only the mean values to be joined
	60.0	5.0	167	116	provide the ability to generate horizontal box plots
	93.0	10.0	130	121	provide the ability to specify a single symbol in the legend instead of the three default symbols
	125.0	13.0	96	119	provide the ability to control the color of bubble plots by using data values
	141.5	17.5	83	117	provide the ability to generate solid-filled bubble plots
	154.0	20.0	69	118	add support for the HTML= option in GPLOT BUBBLE plots
<i>PROC GREPLAY</i>	107.0	11.0	109	122	add the capability to automatically create paneled output in PROC GREPLAY
<i>PROC G3D</i>	136.5	15.0	85	123	add the ability to display a legend on a G3D scatter plot



	Overall Rank	Part Rank	Number of Votes	Item Number	
PART VI SAS AppDev Studio					
	230.0	1.0	21	124	provide the ability to set text based on the selection of the ResourceBundle and resource name via the component customizer
PART VII SAS/STAT Software					
<i>General</i>	28.0	1.0	253	125	add a procedure for sample survey design including optimal sample size allocation methods
<i>PROC BOXPLOT</i>	49.0	4.0	198	126	add options to clip extreme outliers so that box plots are more readable when outliers are present
	70.0	5.0	159	130	provide the ability to generate horizontal box plots in PROC BOXPLOT
	94.0	7.0	129	127	add an option to specify the length of the whiskers in percentile units from 0 to 25
	102.0	9.0	118	128	add an option to center the labels within each block
	118.0	14.0	100	129	add a WEIGHT statement so that weighted quantiles can be used in generating box plots
<i>PROC GAM</i>	161.0	30.0	61	131	add an OFFSET= option for use with Poisson models
<i>PROC GENMOD</i>	86.5	6.0	138	132	provide options for score tests of parameters, and in the ESTIMATE statement, for score tests, likelihood-based tests, and confidence intervals
<i>PROC LIFEREG</i>	112.5	11.0	102	135	provide the output data set of PROC LIFEREG with automatically computed estimates of the HAZARD function
	124.0	16.0	97	133	add variable selection capability



	Overall Rank	Part Rank	Number of Votes	Item Number	
PART VII SAS/STAT Software					
<i>PROC LIFEREG</i> (continued)	126.0	17.0	95	134	fit parametric models for truncated data
	132.0	20.0	88	136	fit a three-parameter (shape, scale, and threshold) Weibull distribution
<i>PROC LIFETEST</i>	98.5	8.0	123	137	perform multiple comparisons for tests of homogeneity of the survival curves
	111.0	10.0	106	140	perform person year and standardized mortality ratio analysis
	115.5	12.5	101	143	compute the median survival time for the life table or actuarial method (by interpolation)
	122.0	15.0	98	142	add an option to plot failure versus time
	129.5	18.0	91	138	produce cumulative incidence tables and plots
	131.0	19.0	90	139	provide additional graphics statements such as AXIS and LEGEND
	136.5	22.0	85	141	perform actuarial life table and demographic analyses
<i>PROC MI</i>	165.0	32.0	56	144	add an option for missing pattern print
	195.0	35.0	34	145	provide an option to either not produce the posterior modes using the EM algorithm if no imputation is carried out, or to save this to a SAS data set
<i>PROC PHREG</i>	115.5	12.5	101	146	add the ability to perform frailty analysis and fit random effects models
	152.0	29.0	71	147	add a GROUPNAMES= option to add or delete a group of covariates simultaneously for use with variable selection techniques
<i>PROC REG</i>	31.0	2.0	240	149	add a CLASS statement
	37.0	3.0	227	148	provide a test for lack of fit



PART VII SAS/STAT Software

PROC

SURVEYMEANS

Overall Rank	Part Rank	Number of Votes	Item Number	
143.5	23.0	82	152	add a CONTRAST statement for comparing means, totals, and percentages across levels of domain variables
147.0	25.0	79	150	compute ratio estimates for subpopulations or domains
147.0	25.0	79	153	add options for jackknife and balanced repeated replication (BRR) variance estimation methods
147.0	25.0	79	154	provide an option that treats respondents as a subpopulation in the presence of item nonresponse (same as the default results in SUDAAN)
149.5	27.0	78	151	add percentile estimation
163.0	31.0	59	156	add an option to specify which subpopulations to analyze from the DOMAIN statement, rather than getting all the domain levels output
190.5	34.0	39	155	provide double ratio estimation
<i>PROC</i>				
<i>SURVEYREG</i>				
134.0	21.0	86	159	provide an option that treats respondents as a subpopulation in the presence of item nonresponse (same as the default results in SUDAAN)
151.0	28.0	77	158	add options for jackknife and balanced repeated replication (BRR) variance estimation methods
174.0	33.0	51	157	add a DOMAIN statement



**PART VIII
SAS/ETS
Software**

	Overall Rank	Part Rank	Number of Votes	Item Number	
<i>PROC ARIMA</i>	176.5	4.0	48	160	support holdout samples and rolling simulation capability
	178.0	5.0	46	161	print and send to the OUTEST= data set statistics of fit such as R-square, adjusted R-square, MAPE, MPE, MAE, and the Theil statistics
	182.5	8.5	43	164	support an ID statement to copy specified variables from the input data set to the output data set
	199.5	18.5	32	162	support RESTRICT and BOUNDS statements to impose restrictions and inequality constraints on the model parameters
	206.5	24.0	30	163	support an INEST= data set in the ESTIMATE statement to read in parameter estimates
<i>PROC AUTOREG</i>	172.0	2.5	52	166	compute additional statistics of fit such as mean absolute percent error (MAPE), mean absolute deviation (MAD) and the corrected Akaike's information criterion (AICC)
	181.0	7.0	44	165	compute standardized parameter estimates
	232.5	43.5	19	167	allow the XBETA keyword and hetero variables to be specified together in the HETERO statement
<i>PROC EXPAND</i>	222.0	36.5	23	169	support bivariate moving window transformation operations such as correlations and covariances
	237.0	46.0	17	168	support a transformation operation that computes the moving kurtosis
<i>PROC MDC</i>	193.0	15.0	35	172	support discrete choice models for panel data
	195.0	16.0	34	174	add an option to compute marginal effects and elasticities
	206.5	24.0	30	170	add an option to compute a test of the assumption of independence of irrelevant alternatives (IIA)



PART VIII SAS/ETS Software

PROC MDC (continued)

Overall Rank	Part Rank	Number of Votes	Item Number		
206.5	24.0	30	171	add functionality to estimate alternative-specific intercept and regressor coefficients	
218.5	33.5	25	173	support character CHOICE= and ID variables	
<i>PROC MODEL</i>	167.5	1.0	54	177	support simultaneous equation models with random effects
199.5	18.5	32	175	send to a data set the final derivatives that are evaluated at each observation	
201.5	20.0	31	176	support BY-group processing with the PARMSDATA= and ESTDATA= data sets so that different starting values can be specified for each BY group	
<i>PROC QLIM</i>	179.5	6.0	45	187	support the fixed-effects logit model
182.5	8.5	43	178	support panel-data fixed and random effects for qualitative and limited dependent variable models	
186.5	11.5	41	186	support the random-effects probit model	
189.0	13.0	40	181	support Tobit analysis with quantile regression models	
206.5	24.0	30	179	support stochastic and unobserved threshold models	
206.5	24.0	30	185	add a TEST statement to provide multiple tests, such as LM, LR, and Wald, for testing functions of parameters	
214.0	30.0	28	182	support models with right-hand-side endogenous variables such as the simultaneous probit model	
214.0	30.0	28	183	compute marginal effects for a variable that enters the model nonlinearly; for example, if X and X_SQUARED appear in the model, the marginal effect should depend upon the unit change in X as well as in X_SQUARED	



	Overall Rank	Part Rank	Number of Votes	Item Number	
PART VIII SAS/ETS Software					
<i>PROC QLIM</i> (continued)	232.5	43.5	19	184	provide an INEST= option to supply starting values for the parameters
	235.0	45.0	18	180	support friction models
<i>PROC SPECTRA</i>	220.0	35.0	24	188	print the p-value that is associated with Fisher's Kappa statistic computed by the WHITETEST option
<i>PROC SYSLIN</i>	184.0	10.0	42	189	compute statistics of fit based on the log-likelihood function such as AIC
	190.5	14.0	39	191	provide robust regression methods for systems of linear equations
	211.5	28.0	29	190	provide tests of diagonal covariance matrix to compare SUR and OLS models
<i>PROC TSCSREG</i>	172.0	2.5	52	195	provide tests for heteroscedasticity
	186.5	11.5	41	192	provide tests for autocorrelation
	197.5	17.0	33	197	provide statistics of fit including - 2LL, AIC, and SBC
	206.5	24.0	30	193	provide instrumental variables estimation methods for panel data models
	206.5	24.0	30	198	provide unit root tests for panel data
	214.0	30.0	28	194	add an option that sends the fixed-effects parameter estimates to the OUTEST= data set
	216.5	32.0	27	196	support analysis of weighted panel data via a WEIGHT statement
<i>PROC VARMAX</i>	218.5	33.5	25	204	support alternative covariance estimation methods
	222.0	36.5	23	201	provide standard errors for the exogenous variable impulse response function output
	226.0	39.0	22	199	add a conditional variance forecast to the OUT= data set



	Overall Rank	Part Rank	Number of Votes	Item Number	
PART VIII SAS/ETS Software					
<i>PROC VARMAX</i> (continued)	226.0	39.0	22	203	support an option to provide starting values for parameters for maximum likelihood estimation
	226.0	39.0	22	205	support restrictions on the covariance matrix of the innovation
	230.0	41.5	21	200	support model estimation by using input data with embedded missing values
	230.0	41.5	21	202	support inequality constraints on the parameter estimates via a BOUNDS statement
<i>PROC X12</i>	238.0	47.0	10	206	support the SIGMALIM= option in the X11 statement
PART IX SAS/QC Software					
<i>PROC CAPABILITY</i>	167.5	1.5	54	207	allow multiple distributions from the same family to be plotted on one histogram
	167.5	1.5	54	208	provide overlaid and comparative versions of all graphical displays
<i>PROC RELIABILITY</i>	206.5	3.0	30	210	add an OUTPUT statement
	222.0	4.0	23	211	fit parametric models for truncated data
	235.0	5.0	18	209	provide a method in the MCFPLOT statement to place a straight reference line on the MCF plot
PART X SAS/IML Software					
	164.0	1.0	57	212	allow user-defined modules in IML to have optional arguments
	179.5	2.0	45	215	provide the ability to use undefined matrices in user-defined IML functions



	Overall Rank	Part Rank	Number of Votes	Item Number	
PART X SAS/IML Software					
	192.0	3.0	38	214	allow the RANK and RANKTIE functions to accept missing values
	201.5	4.0	31	213	allow parentheses for RETURN statements to be optional
PART XI SAS/LAB Software					
	186.5	1.0	41	216	add nonparametric statistics to SAS/LAB software
PART XII SAS/CONNECT Software					
	105.5	1.0	112	217	add an option to MP CONNECT to allow a timeout value to be set
	156.0	2.0	66	218	activate the RDISPLAY menu item in the SAS/CONNECT monitor
PART XIII SAS/SHARE Software					
	109.5	1.0	107	220	add the ability for a SAS/SHARE server to disconnect a client session after a specified period of inactivity
	155.0	2.0	68	221	provide a client-side LOCKWAIT option to specify a maximum time interval to wait for the availability of a locked object under the control of a SAS/SHARE server
	186.5	3.0	41	219	allow SAS/SHARE servers to communicate with and share libraries with other SAS/SHARE servers in an OS/390 SYSPLEX environment



	Overall Rank	Part Rank	Number of Votes	Item Number	
PART XIV SAS/IntrNet Software					
<i>Application Dispatcher</i>	101.0	1.0	120	222	provide a secure and effective way to pass authentication credentials so that they are available for each request, especially for connecting or reconnecting to a DBMS or SAS/SHARE server
	122.0	2.0	98	223	provide a monitoring tool that can be run by the administrator in determined intervals to query the Application Server for its current status and display that status
	176.5	3.0	48	224	allow multiple load managers to be installed as a Windows service
PART XV SAS Integration Technologies					
	119.5	1.0	99	225	allow SAS to be a DCOM client that can talk to external software rather than SAS as a DCOM server that is called by external programs
PART XVI SAS Research Data Management					
	226.0	1.0	22	226	change the Repository tab to display only the warehouse environments in the Pooled Metadata Repository (PMR) to which the user has access
PART XVII Future Directions					
<i>New SAS Products/Platforms</i>	109.5	1.0	107	227	provide a port to Mac OS X



	Overall Rank	Part Rank	Number of Votes	Item Number	
PART XVIII					
SAS IT Resource Management					
	235.0	1.0	18	228	provide a centralized management method for all PDBs in ITRM
PART XIX					
SAS System Viewer for PCs					
	167.5	1.0	54	229	show definitions of Grid and Text for the SAS Viewer's font properties
PART XX					
SAS System for Mainframes					
<i>SAS System under OS/390</i>	139.0	1.0	84	230	enhance the FILENAME statement for HFS (hierarchical file system) access to support wildcard or pattern matching as allowed on UNIX
PART XXI					
SAS System for PCs					
	7.0	1.0	331	233	allow printing the contents of the Enhanced Editor in color on a color printer
	47.5	2.0	202	231	add a -sassavedfolder option to define where SAS programs are saved without regard to where they were opened
	62.0	3.0	164	234	return all available file information, including file size and modification date, for the FINFO() function
	96.5	4.0	124	232	provide the ability to call the Results Viewer programmatically
	159.5	5.0	63	235	provide an option to suppress the WAKEUP() function status window



PART XXII SAS System for UNIX

Overall Rank	Part Rank	Number of Votes	Item Number	
105.5	1.0	112	236	add a system option to limit the amount of workspace that is used by a SAS process on UNIX
195.0	2.0	34	238	provide a SAS interface to REXX on UNIX
216.5	3.0	27	237	provide SAS/GRAPH map data sets in an uncompressed format on UNIX systems

Distribution of Respondent Job Functions:

39%	Applications Programmer
16%	Manager/Staff End User Department
5%	Manager/Staff Information Center
16%	SAS Software Consultant
11%	SAS Software Representative
5%	SAS Software Training Coordinator
44%	Statistician
20%	Systems Analyst
9%	Systems Manager