ATTACHMENT 4.1 - EVALUATION CRITERIA

Requirement	Category	Mandatory Requirement Description	Cross reference to proposal (tab#, document name, page #, section #, etc.) All reference must be highlighted and underlined in the documentation
M1	2.1 Data Collection and Processing	The tool must have the ability to process daily System Management Facility (SMF) volume produced by the Government of Canada's (GoC) IBM mainframes as identified in Section 3 - Volumetrics.	
M2	2.1 Data Collection and Processing	The data collection must start daily (including weekdays, weekends, and holidays) at midnight (EST) and should be completed before the start of the online regions (IE: 6 am (EST) finish time).	
M3	2.1 Data Collection and Processing	The data collection, processing, and reporting must be able to function across multiple mainframes with the data stored in multiple locations.	
M4	2.2 Required Functionality	The tool must be able to support the SMF types identified in Section 2.2 requirement #4, of the SOW.	
M5	2.2 Required Functionality	The tool must have the ability to filter data (such as Canadian statutory holidays, weekends, etc.) so low metrics can be excluded from peaks, medians and averages.	
M6	2.2 Required Functionality	The data collection, processing, and reporting must be able to function across multiple mainframes located in multiple locations.	
M7	2.2 Required Functionality	The tool must have the flexibility to represent data in intervals based on SMF collection Intervals (ie. 5, 15 minutes).	
M8	2.2 Required Functionality	The tool must be able to represent data on an hourly, daily, weekly, and monthly basis. The tool must also be configurable to delete old statistics automatically if they are greater than "x" days old "x" represents a value that can be entered or changed by the GoC.	
M9	2.2 Required Functionality	The data collection must reside on a Database accessible by SSC.	
M10	2.2 Required Functionality	The data reporting and presentation tools must run on either z/OS or Linux on Z (z/Linux). Note: Price must include all ancillary software to support the solution.	
M11	2.2 Required Functionality	The tool must be able to support any future SMF types within six months of the future SMF type's being released.	
M12	2.2 Required Functionality	The tool must have a Command Line and a GUI interface.	
M13	2.2 Required Functionality	The tool must have role based security for customized views (ie. Admin, Report viewer).	

M14	2.2 Required Functionality	The tool must have incremental data collection based on a user-defined interval (e.g., allowing the collection of data on an hourly basis if required), including data collection for z/OS, DB2, and CICS.	
M15	2.2 Required Functionality	The tool must have an incremental update feature to allow regular interval reporting to the dashboards.	
M16	2.5.1 Reporting Mandatory Requirements	Reporting based on user-identified intervals (e.g., 15 minutes); hourly, daily, weekly, monthly, and yearly intervals for CPU utilization; MIPS by type (by LPARs, workloads, and applications); LPARS, workloads for memory.	
M17	2.5.1 Reporting Mandatory Requirements	Reporting based on user-identified intervals (e.g., 15 minutes); hourly, daily, weekly, monthly, and yearly intervals for DB2 details; CICS details; DASD usage; MQ details; and HTTP details.	
M18	2.5.1 Reporting Mandatory Requirements	The reporting tool must allow for merging CICS, MQ and DB2 transaction level statistics by system name (CICS Region Name, CICS Transaction Name or DB2 Subsystem ID and Package Name), date, hour, and interval timestamp.	
M19	2.5.1 Reporting Mandatory Requirements	Have a mechanism in which MIPS consumption can be automatically calculated based on the model number and engine type.	
M20	2.5.1 Reporting Mandatory Requirements	Create customized reports based on client request as well as ad hoc reports and SQL queries for data extractions.	
M21	2.5.1 Reporting Mandatory Requirements	Provide role based user access control for administrators and users to create and view reports. (ie. Admin, create, modify, etc).	
M22	2.5.1 Reporting Mandatory Requirements	The tool must provide the functionality to allow it to integrate / publish to a website.	
M23	2.5.1 Reporting Mandatory Requirements	Report distribution by email (i.e., with formats such as HTML, PDF, CSV, EXCEL, XML, etc.).	
M24	2.5.1 Reporting Mandatory Requirements	Report on CEC level (processor busy LPAR), GP, zIIP, IFL, and ICF utilizations.	
M25	2.5.1 Reporting Mandatory Requirements	Have components or tables for the statistics currently in use identified in requirement # 25 Section 2.5.1	
M26	2.5.1 Reporting Mandatory Requirements	The reporting function must have the ability to allow for a drill down capability.	
M27	2.5.1 Reporting Mandatory Requirements	Reports generated must have the ability to be keep for 7 years.	

M28	4.1.1 Service Desk and Web Portal	The Contractor must provide a bilingual toll-free support line available on weekdays (excluding holidays), 8:00 a.m. – 5:00 p.m. EST, with wait times of no more then 15 minutes.	
M29	4.1.1 Service Desk and Web Portal	The Contractor must provide a bilingual (French and English) web portal available 24 hours per day on weekdays (excluding holidays).	
M30	4.1.2 Vendor Support	The vendor must provide support personnel to work on issues remotely (e.g., by phone or email), available on weekdays (excluding holidays), 8:00 a.m. – 5:00 p.m. EST.	
M31	4.1.3 Hardware Compatibility	The tool must be able to process SMF data from current IBM mainframes and the tool's maintenance releases must be able to support future IBM mainframes within six months of the mainframes being released to market.	
M32	4.1.4 Training	The Contractor must provide a minimum of two training sessions covering tool installation, administration, security, and report creation and customization, included in the contract price. Additional training sessions may be needed and would be offered for an additional cost as per pricing table X.	
M33	5.1 Capacity Growth	The Contractor must provide a solution that can offer up to a 10% increase year over year in SMF volume as per Section 3.	
M34	5.2 Technical Support Services	The Contractor must provide a per diem rate for optional specialized technical support services during the term of the contract (with a day being defined as 7.5 hours, weekdays only). Work may be performed on SSC premises or remotely, at the discretion of the SSC Technical Authority.	
M35	6.1 Resources Required During Installation	The technical support services required for the initial setup and implementation of the tool must be included in the contract costs.	
M36	6.2 Resources required during conversion and integration	Per Diem for the technical support services required for the conversion and inergration of the tool must included in the costing spreadsheet.	
M37	7.1 Priority Escalations	The vendor must provide an escalation path for SSC to engage in the event that there is an ongoing issue or service complaint.	
M38	7.2 Maintenance Reports	The Contractor must provide the Technical Authority with monthly incident reports for all SSC incidents within two weeks of the end of each month.	

Requirement	Category	Rated Requirement Description	Cross reference to proposal (tab#, document name, page #, section #, etc.) All reference must be highlighted and underlined in the documentation	Max Points
R1	2.3 Desired Functionality	Desirable to have the ability to specify that data collection run on the zIIP specialty engine rather than on the GP engine.		50
R2	2.3 Desired Functionality	Desirable to provide integration with other analytical tools (such as Splunk, Apache Spark, Elasticsearch).		20
R3	2.3 Desired Functionality	Data Collection database - DB2 on z/OS **(50 Points)** - Any other Database on z/OS **(25 Points)** - Any Database on windows or linux **(0 Points)**		50
R4	2.4 Optional Functionality	Tools that can incorporate data and provide statistical analysis of all SMF data. : • z/Linux • HTTP Server • Netview • Availability (uptime) • IDMS • ADABAS • ENDEVOR • Ability to do a time zone adjustment on CICS, WebSphere, and zVM statistics (i.e., convert GMT to EST). • AI/ML capabilities		20
R5	2.5.2 Optional Reporting Requirements	The tool is able to forecast MIPS consumption based on historical trends, including at the application level.		20
R6	2.5.2 Optional Reporting Requirements	Have components for the following stats - Exception reporting - Service Level Agreement reporting / Key Performance Index reporting - Unix System Services (USS) reporting (OMVS) - RMF XP which gives stats on AIX, Linux on system X, Windows, zLinux. Some vendors might call it a CIM component. - FTP and XCOM stats if it is not already part of the tool's TCPIP component - LPAR configuration reporting (LPAR ID's, weights, number of engines, the type of capping in effect,…) • For components we might use in the future: - Omegamon CICS reporting - Systems, Applications, and Products (SAP)		30

		- IDMS - IBM DB2 Analytics Accelerator IDAA - ADABAS - IBM Content Manager ICM - Job Scheduler reporting to support one of ControlM, TWS, or CA7 - Dataset reporting (e.g., who allocated, updated, or deleted a dataset and when) - Sample component (i.e., where we could use it as an example on how to count metrics for obscure or in-house resources that are not found industry-wide) - Performance modeling (i.e., using historical statistics to predict how systems will run differently on a new machine that we do not have yet) - Dashboard or heat map feature (can run from a PC but the database has to be on the mainframe) - Console message statistical reporting (counts how many messages there were) - SMF collection reporting (to pinpoint if there are gaps in our collection of SMF)		
R7	2.5.2 Optional Reporting Requirements	Have the ability to associate metrics (such as CICS transactions and batch jobs) to our specific clients' applications. (example end to end view on application usage).		15
R8	2.5.2 Optional Reporting Requirements	An Accounting feature that allows us to build and maintain accounting tables that associate SMF record metrics with organizational/accounting structure.		10
R9	2.5.2 Optional Reporting Requirements	Type 99 SMF records should be reported by a user defined interval (Minimum 2 sec interval).		15
R10	2.5.2 Optional Reporting Requirements	Report distribution by email which supports encryption is desirable.		20