Effective January 1, 2012

IBM grants Licensee limited rights to use Machine Code pursuant to and subject to the IBM License Agreement for Machine Code ("License Agreement") (a copy of which may be found at http://www.ibm.com/systems/support/machine_warranties/machine_code.html) applicable to the Covered Machine.

This Authorized Use Table ("AUT") provides the complete list of Authorized Uses of IBM Machine Code by type of Built-in Capacity. This AUT is effective as of the date specified above, replaces all prior IBM authorizations for the use of IBM Machine Code and Built-In Capacity, and applies until IBM supersedes it by issuing an AUT of a later effective date. IBM maintains the current AUT at http://www.ibm.com/systems/support/machine_warranties/machine_code/aut.html.

1.   Definitions

All capitalized terms not defined in this AUT have the meanings ascribed to them in the License Agreement.

Authorized Use – the use of IBM Machine Code to access and use Authorized Built-In Capacity to process the types of executable code, or certain percentages of portions thereof, as specified in Section 2 below and as actually implemented by IBM's Technological Measures.

2.   Authorized Use Table

For each type of Built-in Capacity listed in column one of the table below, the corresponding section of column two describes all Authorized Uses. No other use of Built-in Capacity is authorized. The processing identified as Authorized Uses for a zIIP, zAAP and IFL, whether of an IBM, an independent software vendor (ISV) or a customer program, represent "Eligible Workloads" for the corresponding processor. To the extent of any conflict between the descriptions of the Authorized Uses in the table below and IBM's actual implementation of the Authorized Uses through IBM's Technological Measures, the more limited scope of Authorized Uses takes precedence.

Type of Built-In Capacity	Authorized Use(s)
System z Machines	
General Purpose Processor ("GP") (also sometimes referred to as a Central Processor or CP, General Purpose Processing Capacity or CP Processing Capacity).	Executing any program.
Integrated Facility for Linux ("IFL")	Executing some or all of the following, as actually implemented by IBM's Technological Measures: a. the IBM z/VM product and features ("z/VM"), the z/VM Control Program ("z/VM CP"), the Group Control System ("GCS"), the Conversational Monitor System ("CMS"), and the stand-alone utilities DASD Dump/Restore, Device Support Facilities, Stand-Alone Dump, and Stand-Alone Program Loader, when such product and features are executed solely in support of the Linux on z or the OpenSolaris operating systems; b. the Linux on z or OpenSolaris operating systems; c. any program, provided such program is executing under the Linux on z operating system or the OpenSolaris operating system; and d. any program, provided such program is executing under CMS or GCS, when executed solely in support of the Linux on z or the OpenSolaris operating systems executing in a z/VM Guest Machine or in support of programs executing under such Linux on z or OpenSolaris operating systems.
System z Application Assist Processor ("zAAP")	Executing some or all of the following, as actually implemented by IBM's Technological Measures: a. the IBM SDK for z/OS, Java Technology Edition

	(commonly known as the IBM Java Virtual Machine) ("JVM"), and IBM z/OS operating system ("z/OS") base elements properly invoked by the JVM; b. JVM translations of programs written in the Java programming language, provided all of such translation is solely controlled by the JVM; and c. z/OS XML System Services running in z/OS task mode, and z/OS base elements properly invoked by such XML System Services.

System z Integrated Information Processor ("zIIP")	Executing some or all of the following, as actually implemented by IBM's Technological Measures:
	
	a. the System Data Mover of z/OS ("SDM"), and z/OS base elements properly invoked by the SDM;
	
	b. the Common Information Model of z/OS ("CIM") base element of z/OS and IBM and certain non-IBM "CIM Provider" routines communicating information on, to, or from managed resources using the CIM model, including z/OS services properly invoked by the CIM base element or by such CIM Provider routines, when such z/OS services run in the same address space as the CIM base element. Non-IBM CIM-Provider routines, in order to maintain zIIP eligibility, must maintain timely communication with the CIM base element, as determined by the CIM base element;
	
	c. z/OS XML System Services running in z/OS service request block ("SRB") mode under a z/OS Workload Manager ("WLM") enclave ("Enclave SRB Mode"), and z/OS base elements properly invoked by such XML System Services; and
	
	d. portions of any program running in Enclave SRB Mode and z/OS base elements properly invoked by such program portions, provided:
	    i. if the program is not an IBM program, the program owner is licensed to the zIIP Application Programming Interface ("zIIP API") from IBM, the program utilizes the zIIP API as designed by the program owner and in compliance with the zIIP API license from IBM, and the portions of such program processing dispatched to a zIIP does not exceed the portions of such processing designed solely by the program owner to be so dispatched; or.
	    ii. if the program is an IBM program, the portions of such program processing dispatched to a zIIP does not exceed the portions of such processing designated by IBM Technological Measures to be so dispatched.
	
	For example, it would be an Authorized Use of a zIIP on a System z9, z10, z196 and z114 and on subsequent mainframes to process up to sixty percent (60%) of the DB2 for z/OS (Versions 8, 9, 10 and subsequent versions) processing of native SQLPL (Structured Query Language Procedural Language) requests when running in Enclave SRB Mode and accessing DB2 for z/OS via DRDA (Distributed Relational Data Architecture) over a TCP/IP connection. In this example, the program (DB2 for z/OS) would be invoking the zIIP API as limited by IBM's Technological Measures within DB2, without Circumvention, and the portion of the DB2 for z/OS instructions dispatched to the zIIP, would not exceed the portion designated by such Technological Measures, without Circumvention, to be so dispatched. In this example, only such portion of DB2 for z/OS processing is considered an Eligible Workload for the zIIP.
	As a further example, it would be an Authorized Use of a

	zIIP on a System z9, z10, z196 and z114 and on subsequent mainframes to process the following after reaching a "CPU Usage Threshold": up to eighty percent (80%) of the processing of long-running parallel queries for DB2 for z/OS (Versions 8, 9, 10 and subsequent versions), as designated by IBM Technological Measures within the DB2 for z/OS Query Optimizer, without Circumvention. Note: IBM establishes the "CPU Usage Threshold" for each System z Machine type. In this example, only such portion of DB2 for z/OS processing is considered an Eligible Workload for the zIIP. e. DFSMS SDM of z/OS processing associated with zGM/XRC, including z/OS base elements properly invoked by z/OS DFSMS SDM; and f. portions of programs authorized to execute on a zAAP, provided there is no zAAP installed on the Covered Machine.
All Other Built-In Capacity	Executing Machine Code, as actually implemented by IBM's Technological Measures.
Power Systems Machines	
Cores of a General Purpose Power Systems Server	Executing any program.
Cores of a Linux-Only Machine	Executing some or all of the following, as actually implemented by IBM's Technological Measures: a. the Power Linux operating system; and b. any program, provided such program is executed under the Power Linux operating system.
All IBM Product Lines	
All other Built-in Capacity	Executing Machine Code, as actually implemented by IBM's Technological Measures.

3. Additional Terms and Conditions

3.1 No Circumvention of Technological Measures

All Authorized Uses are voided for a Covered Machine if there is any Circumvention or attempted Circumvention of Technological Measures for such Covered Machine.

3.2 Modification of this AUT

IBM retains the exclusive right, without advance notice, to modify this AUT. Any Authorized Uses added to the AUT apply to all existing and subsequently acquired Authorized Built in Capacity, as applicable; additional restrictions on Authorized Uses apply only to subsequently acquired Authorized Built in Capacity. Subsequently acquired Authorized Built in Capacity includes, without limitation (i) acquisition of additional Authorized Built-In Capacity, (ii) recharacterization of Authorized Built-In Capacity (for example, conversion of an IFL into a zIIP), and (iii) carrying forward existing Authorized Built-In Capacity from one product family to its successor product family, with or without a charge (for example, carrying a zIIP forward as part of an upgrade from a IBM System z10 machine to an IBM System z196 machine).