



RETURN RESPONSES TO:

**RETOURNER LES
RÉPONSES À:**

Philip de Leon (Contracting Authority /
Autorité contractante)
Bid Receiving Shared Services Canada |
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Title – Sujet High Performance Computing ITQ Calculateur haute performance ISQ	
Solicitation No. – N° de l’invitation 2B0KB-123816/B	Date October 09, 2013
Amendment No. – N° de modification 001	
Client Reference No. – N° référence du client 2B0KB-123816/B	
GETS Reference No. – N° de reference de SEAG	
File No. – N° de dossier C74.2B0KB-123816/B	CCC No. / N° CCC - FMS No. / N° VME

**INVITATION TO QUALIFY
AMENDMENT**

**MODIFICATION DE L’INVITATION
À SE QUALIFIER**

Solicitation Closes – L’invitation prend fin at – à 02 :00 PM on – le October 18, 2013 – 18 octobre 2013		Time Zone Fuseau horaire Eastern Standard Time (EST) Heure Normale de l’Est (HNE)
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>		
Address Inquiries to : - Adresser toutes questions à: Philip de Leon		Buyer Id – Id de l’acheteur
Telephone No. – N° de téléphone : 819-956-1544	Email - Courriel philip.deleon@spc-ssc.gc.ca	
Destination – of Goods, Services, and Construction: Destination – des biens, services et construction : See Herein Voir aux présentes		

Comments - Commentaires

This document contains a Security Requirement / Ce document comprend des exigences relatives à la sécurité

Delivery required - Livraison exigée See Herein Voir aux présentes	Delivery Offered – Livraison proposée
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Vendor/Firm Name and address

Raison sociale et adresse du fournisseur/de l’entrepreneur

Issuing Office – Bureau de distribution

Shared Services Canada / Services partagés Canada
Procurement And Vendor Relationships / Approvisionnement et relations avec les fournisseurs
11 Laurier Street
Gatineau, Quebec
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***** Notice Amendment 001 was issued to make the solicitation document (hpc_itq_2b0kb-123816-b_eng.pdf) available for download.*****

This solicitation Amendment 001 is raised to:

1. To advise of new Gate Test package available for download; and
2. Provide responses to questions submitted.

1. New Gate Test package 20131009 is available for download at <http://collaboration.cmc.ec.gc.ca/cmc/ec-code-samplers/>. The new package is being released to specifically address a bug in the following file "20131009/build/src/gemdyn/base/rhsp.ftn90". The ITQ is amended as follows:

At Annex D, Information and Instructions for Canada Supplied ITQ Gate Test,

DELETE: In paragraph 1, "Version 201301001 must be used."

INSERT: In paragraph 1, "Version 20131009 must be used."

2. QUESTIONS AND ANSWERS – SET #1

Q1. Reference: Annex D, Gate Test:

Following the instructions on Annex-D, built the Gate Test code. However, while attempting to make a debug run, getting these errors:

```

NO unbinding will be done
domain=0 16 PEs, 1 SuperGrids with 2 Grids each
1
1
*          GEMNTR --- User Build: 2013-09-12 00:00 EDT
4.5.0-rc3
*          RMNLIB - Release: (Rev 763) EC_ARCH_VAR Date_of_Build
*****
Package: GEMDYN      version: 4.5.0-rc3
Release of: 2013-09-12 00:00 GMT      COMPILER: Benchmark
*****
RPN_COMM_init: Inconsistency between
userinit Subroutine and total number
RPN_COMM_init: Inconsistency between
of PE: please check
userinit Subroutine and total number
Requested topology =          1 by          1
of PE: please check
Grid will use          8 processes

```



```
Requested topology =          1  by          1
Grid will use          8  processes
ERROR DETECTED
ERROR DETECTED
```

cat TOPO:

```
OMP_NUM_THREADS=1
NPEX=2
NPEY=4
```

Run Commands:

```
./runentry YY-debug /x/GemYY_20131001/work
./runmodel YY-debug /x/GemYY_20131001/work
```

In runentry:

```
mpirun -np 16 $(which ${entry})
```

In runmodel:

```
cpu_mult=1
mpirun -np $(( ${cpu_mult} * ${NPEX} * ${NPEY} )) $(which ${model})
```

I am using mvapich2 v1.9b

What is the correct combination of these parameters to run verify the YY-debug case?

A1. Canada is unable to advise on the correct combination of these parameters to run the YY-debug case. Based on the information provided, Canada is able to confirm that the errors encountered are not a result of any issues with the Gate Test code provided. The vendor should verify that it has correctly followed all instructions.