

# List Performance Management Groups and Measurement Types

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## OPERATING INSTRUCTIONS

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# 1 Introduction

This document describes how to list the Performance Management (PM) groups and measurement types. The list of PM groups and measurement types informs the user about what measurement data it is possible to collect on the managed element.

## 1.1 Prerequisites

This section describes the prerequisites, which must be fulfilled before using the procedure.

### 1.1.1 Conditions

The following condition must apply:

- An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.





## 2 Procedure

To list the PM groups and measurement types:

1. Navigate to the *Pm* Managed Object (MO), for example:

```
>dn ManagedElement=NODE06ST, SystemFunctions=1, Pm=1
```

2. List the PM groups:

```
(Pm=1) >show -m PmGroup
```

The following is an example output:

```
PmGroup=DbsPOT
category="Feature DbsFunction, Class DbsPOT"
consistentData=true
description="POT measurement types"
generation="IMS"
switchingTechnology="Packet Switched"
validity=true
moClass
  mimName="DbsPOT_PmMim"
  mimRelease="1"
  mimVersion="1"
  moClassName="DbsPOT"
PmGroup=DbsPU
category="Feature DbsFunction, Class DbsPU"
consistentData=true
description="PU measurement types"
generation="IMS"
switchingTechnology="Packet Switched"
validity=true
moClass
  mimName="DbsPU_PmMim"
  mimRelease="1"
  mimVersion="1"
  moClassName="DbsPU"
PmGroup=DbsVM
category="Feature DbsFunction, Class DbsVM"
consistentData=true
description="VM measurement types"
generation="IMS"
switchingTechnology="Packet Switched"
validity=true
moClass
  mimName="DbsVM_PmMim"
  mimRelease="1"
  mimVersion="1"
  moClassName="DbsVM"
```

**Note:** The value of attribute `moClassName` contains the name of a class in the model to which the PM group is applicable.

3. Navigate to a *PmGroup* MO, for example:

```
(Pm=1) >PmGroup=DbsPOT
```

4. List the measurement types for the PM group:

```
(PmGroup=DbsPOT) >show -v -r
```



The following is an example output for a PM group consisting of three measurement types:

```
PmGroup=DbsPOT
  category="Feature DbsFunction, Class DbsPOT" <read-only>
  consistentData=true <read-only>
  description="POT measurement types" <read-only>
  generation="IMS" <read-only>
  pmGroupId="DbsPOT"
  switchingTechnology="Packet Switched" <read-only>
  validity=true <read-only>
  moClass <read-only>
    mimName="DbsPOT_PmMim" <read-only>
    mimRelease="1" <read-only>
    mimVersion="1" <read-only>
    moClassName="DbsPOT" <read-only>
  MeasurementType=PotInst.Count
    aggregation=MAX <read-only>
    collectionMethod=GAUGE <read-only>
    condition="The actual number of instances for a keyed or non-keyed POT instances." =>
<read-only>
    derSampleRate=[] <empty>
    description="Measures the total number of instances for a keyed or non-keyed POT in a =>
GP." <read-only>
    fmAlarmType=[] <empty>
    initialValue=0 <read-only>
    measurementName="DbsPotPotInstCount" <read-only>
    measurementResult=[] <empty>
    measurementStatus=USED <read-only>
    measurementTypeId="PotInst.Count"
    multiplicity=1 <read-only>
    resetAtGranPeriod=true <read-only>
    size=10 <read-only>
    thresholdDirection=INCREASING <default> <read-only>
  MeasurementType=PotInst.Create
    aggregation=SUM <read-only>
    collectionMethod=CC <read-only>
    condition="The counter is incremented when a keyed or a non-keyed POT instance created." =>
<read-only>
    derSampleRate=[] <empty>
    description="Measures the number of creates issued for a keyed or non-keyed POT in a GP." =>
<read-only>
    fmAlarmType=[] <empty>
    initialValue=0 <read-only>
    measurementName="DbsPotPotInstCreate" <read-only>
    measurementResult=[] <empty>
    measurementStatus=USED <read-only>
    measurementTypeId="PotInst.Create"
    multiplicity=1 <read-only>
    resetAtGranPeriod=true <read-only>
    size=10 <read-only>
    thresholdDirection=INCREASING <default> <read-only>
  MeasurementType=PotInst.Create.Commit
    aggregation=SUM <read-only>
    collectionMethod=CC <read-only>
    condition="The counter is incremented when a keyed or a non-keyed POT instance creation =>
committed." <read-only>
    derSampleRate=[] <empty>
    description="Measures the number of instances created for a keyed or non-keyed POT in a =>
GP." <read-only>
    fmAlarmType=[] <empty>
    initialValue=0 <read-only>
    measurementName="DbsPotPotInstCreateCommit" <read-only>
    measurementResult=[] <empty>
    measurementStatus=USED <read-only>
    measurementTypeId="PotInst.Create.Commit"
    multiplicity=1 <read-only>
    resetAtGranPeriod=true <read-only>
    size=10 <read-only>
    thresholdDirection=INCREASING <default> <read-only>
```

**Note:** fmAlarmType=[] <empty> means that no threshold alarm is supported for this measurement type.