

```
<!--
Description of the event-triggered scheduling(ETS) service file (Version 1.0.1).
The ETS file provide services for importing data to and scheduling the RODOS applications
including information about the user-rolite session dialogue to reconstruct the roliteGUI
windows.
Such a ETS file must be created in xml-format by the user.
The user can generate the xml-scheduling service file either through the roliteGUI-tool or
other editors.
-->
```

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<roliteInterface>
<!-- Segment systemInfo -->
<systemInfo>
  <systemRunId>an identification string|empty</systemRunId>
  <systemOperationMode>normal|exercise|emergency</systemOperationMode>
  <systemSchedulingMode>interactive|automatic</systemSchedulingMode>
  <dataDisposition>realtime|depot</dataDisposition>
  <doActionTill>endOfBackward|beginOfCalculus|endOfSequenz</doActionTill>
</systemInfo>
```

```
<!-- Segment programSequenz -->
<!-- a subset of already defined program groups in the Rodos database should
be specified here for a run sequenz.
more than one program group can be specified only when there is
a dependency in sequenz hierarchy between the program groups -->
```

```
<programSequenz>
  <programGroupName>first program group name</programGroupName>
  <programGroupName>second program group name</programGroupName>
  ..
  <programGroupName>last program group name</programGroupName>
</programSequenz>
```

```
<!-- Segment userInfo -->
<userInfo>
  <userName>login name of the user</userName>
  <!--the password can be ignored(empty tag-content) if it is known to system -->
  <userPasswd>login password of the user|empty|none</userPasswd>
  <userMailAddress>eMail-Address of the user</userMailAddress>
  <userLanguage>english|german</userLanguage>
```

```

        <displayName>NONE|display, ex. resyl:0.0</displayName>
        <userComment>comment</userComment>
</userInfo>

<!-- Segment addonApplicationsProfile -->
<!-- additional information can be specified for a program
      belongs to the program group which was indicated at programsequenz-tag -->

<addonApplicationsProfile>
  <programId name="name of program defined in RODOS DB,ex. DWD">
    <typeOfArea>germany|europe</typeOfArea>
    <starttimeOfMetDataset>YYYY:MM:DD:HH:mm:ss,ex. 2007:06:18:15:00:00</starttimeOfMetDataset>
    <longitudeOfCentre>geogr. X-Coordinate,ex. 8.43</longitudeOfCentre>
    <latitudeOfCentre>geogr. Y-Coordinate,ex. 49.12</latitudeOfCentre>
    <innercellDiameter>calculation grid in m,ex. 5000</innercellDiameter>
    <mountItToArchivedProgram targetProgName="" runId="" owner="" groupNameOfThisProgram="" />
  </programId>
</addonApplicationsProfile>

<!-- Segment siteInfo -->
<!-- currently, the time zone UTC can only be specified in the timeZone-tag, therefore
      the time in the tags startOfRelease, startOfPrognosis, endOfChain, and
      endOfPrognosis will be interpreted as UTC-time.
-->
<siteInfo>
  <siteName>the site name of the power plant,ex. FZK</siteName>
  <blockName>the block name of the power plant, ex. FZK</blockName>
  <timeZone>time zone,ex. MET-1METDST</timeZone>
  <siteLongitude>geogr. X-Coordinate,ex. 8.4258</siteLongitude>
  <siteLatitude>geogr. Y-Coordinate,ex. 49.0925<siteLatitude>
  <thermalPower>reactor thermal energy in MW,ex. 3000</thermalPower>
  <operationTime>reactor average burn-up in days,ex. 999</operationTime>
  <countryOfSite>country name from the list,ex. GERMANY</countryOfSite>
  <siteLocationType>Country|CloseToBorder|UndefinedNPP</countryOfCM>
  <inventory>the label (=filename) of the inventory, missing if undefined, ex.
INVE.PWR_3733MWth_Leitfaden95</inventory>
  <stackHeight>the stack height in meter, ex. 150</stackHeight>
</siteInfo>

<!--Segment releaseInfo -->

```

```

<releaseInfo>
  <startOfRelease>YYYY:MM:DD:HH:mm:ss, ex. 2006:09:23:16:24:50</startOfRelease>
  <endOfChain>YYYY:MM:DD:HH:mm:ss, ex. 2006:09:23:14:18:00</endOfChain>
  <startOfPrognosis>YYYY:MM:DD:HH:mm:ss</startOfPrognosis>
  <endOfPrognosis>YYYY:MM:DD:HH:mm:ss</endOfPrognosis>
  <durationOfPrognosis>hour,ex. 24</durationOfPrognosis>
  <gridSizeOfPrognosis>prognosis calculation grid in m,ex. 1000</gridSizeOfPrognosis>
  <calculationRadiusOfPrognosis>prognosis calculation radius in Km, ex.
100</calculationRadiusOfPrognosis>
  <timeStepOfPrognosis>time step in minutes;10|30|60,ex. 30</timeStepOfPrognosis>
  <outConcentrationData>>true|false</outConcentrationData>
  <outPuffData>>true|false</outPuffData>
</releaseInfo>

```

```

<!-- Segment sourcetermInfo and sourcetermData -->
<!--

```

```

  if the option stackOnline selected
  then the tag sourcetermData will be ignored.

```

```

  if the option userDefinedLibrary selected
  then the tag sourcetermFileName is relevant and
  the tag sourcetermData will be ignored.

```

```

  if the option userDefinedHand selected
  then the tag sourcetermData will be processed.

```

```

**description of release blocks and release groups with their members in each group**
ifo-source: ~rodos/roextern/data/sourceterm/setup/in.releasegroups.structure

```

```

NOBLE-JOD-AEROSO

```

```

Noble_gases      Kr Xe
Iodine           I
Aerosols         Ag Am Ba Ce Cf Cm Co Cs Ir La Mn Mo Na Nb Nd Np
                 Po Pr Pu Ra Rb Rh Ru Se Sb Sr Tc Te U  W  Y  Yb Zr

```

```

NOB-JOD-AER-T-TO

```

| | |
|-----------------|--|
| Noble_gases | Kr Xe |
| Iodine | I |
| Aerosols | Ag Am Ba Ce Cf Cm Co Cs Ir La Mn Mo Na Nb Nd Np Po Pr Pu Ra Rb Rh Ru Se Sb Sr Tc Te U W Y Yb Zr |
| Tritium(HT) | T |
| Trit.Water(HTO) | TO |

DRS-A_7_GROUPS

| | |
|---------------|--|
| Noble_gases | Kr Xe |
| Iodine | I |
| Cs/Na/Rb | Cs Na Rb |
| Sb/Se/Te/Po | Sb Se Te Po |
| Ba/Ra/Sr | Ba Ra Sr |
| RutheniumGrp. | Ag Co Mn Mo Ru Rh Tc |
| Lanthanides | Am Ce Cf Cm Ir La Nb Nd Np Pr Pu U W Y Yb Zr |

DRS-A_7_GROUPS09

| | |
|-----------------|--|
| Noble_gases | Kr Xe |
| Iodine | I |
| Cs/Na/Rb | Cs Na Rb |
| Sb/Se/Te/Po | Sb Se Te Po |
| Ba/Ra/Sr | Ba Ra Sr |
| RutheniumGrp. | Ag Co Mn Mo Ru Rh Tc |
| Lanthanides | Am Ce Cf Cm Ir La Nb Nd Np Pr Pu U W Y Yb Zr |
| Tritium(HT) | T |
| Trit.Water(HTO) | TO |

DRS-B_9_GROUPS

| | |
|---------------|--------------------------|
| Noble_gases | Kr Xe |
| Iodine | I |
| Cs/Na/Rb | Cs Na Rb |
| Sb/Se/Te/Po | Sb Se Te Po |
| Sr | Sr |
| Ba/Ra | Ba Ra |
| RutheniumGrp. | Ag Co Mn Mo Ru Rh Tc |
| Lanthanides | Ir La Nb Nd Pr W Y Yb Zr |

Actinides/Ce Am Ce Cf Cm Np Pu U

MAAP4_10_GROUPS

Noble_gases Kr Xe
Iodine I
Rb Rb
Sr Sr
RutheniumGrp. Ag Co Mn Mo Ru Rh Tc
Cs/Na Cs Na
Ba/Ra Ba Ra
Lanthanides Ir La Nb Nd Pr W Y Yb Zr
Actinides/Ce Am Ce Cf Cm Np Pu U
Sb/Se/Te/Po Sb Se Te Po

Abbreviated names used as tag or attribute

release groups:

Noble_gase nobleGas
Iodine iod
Aerosols aerosol
Cs/Na/Rb CsNaRb
Sb/Se/Te/Po SbSeTePo
Ba/Ra/Sr BaRaSr
RutheniumGrp. ruthen
Lanthanides lanth
Tritium(HT) trit
Trit.Water(HTO) tritWat
Actinides/Ce actinCe
Ba/Ra BaRa
Cs/Na CsNa
Sr Sr
Rb Rb
elementary iodine elemIod
org. bound iodine orgBoIod
aerosol iodine aerosolIod
iodine isotop iodIsotop
I131 I131

RDD-Explosion data:

```

explosion_strength          explosionStrength
explosive_mass_Kg_TNT_equivalent[Kg]    explosiveMass
explosive_energy_yield_[MJ]             explosiveEnergy
cloud_rise_modification_factor          cloudRiseFactor
height_of_event_above_ground_[m]        height
if the input for explosion strength entered as explosive_mass_Kg_TNT_equivalent
then the unit is in Kg
if the input for explosion strength entered as explosive_energy_yield
then the unit is MJ

```

RAC-with-Fire data:

```

duration of fire [min]          durationOfFire
average thermal power of fire [MW]    thermalPower
    (convective part only)
area of fire [m**2]            areaOfFire
height of fire area above ground [m]    height

```

some tags and units:

```

releaseFraction [%]            Fraction of release groups
relativeIodineFraction [%]     Fraction of iodine forms
releaseTimeInterval:start [hour]    Begin of release interval
releaseTimeInterval:end [hour]      End of release interval
height [m]                      Release height
thermalEnergy [MW]              Thermal power released
volumeFlux [m**3/s]             Vertically released volume flux
ventArea [m**2]                 vent area of release to the atmosphere
releaseActivity [Bq]             For calculation nuclides
releaseActivityRate [Bq/s]        For calculation nuclides

```

-->

<!--

```

source term input type:
type_0: library source term
type_1: release fractions for release groups in percent[%]
type_2: released activity[Bq] for up 25 nuclides,inventory is used as reference
type_3: released activity sum[Bq] for noble gases,aerosols and
    released activity for I-131, together with aerosol release fractions
type_4: released activity sum[Bq] for noble gases,iodine and aerosols,
    together with aerosol release fractions
type_5: released activity[Bq] for release groups, no inventory reference

```

type_6: released activity[Bq] for up to 25 nuclides selected by the user
type_7: released activity rate[Bq/s] for up to 25 nuclides selected by the user
type_9: released activity[Bq] for up to 25 nuclides(Sourceterm for RDD_Explosion)
type_10: released activity[Bq] for up to 25 nuclides(Sourceterm for RAC_with_Fire)

Notes:

type_1 is identical to type_5 with the exception of release fraction[%] on type_1 and
release activity[Bq] on type_5
type_2 is identical to type_6 with the exception of inventory reference on type_2
type_2 is identical to type_7 with the exception of inventory reference on type_2 and
activity rate[Bq/s] on type_7
type_6 is identical to type_7 except activity rate on type_7

-->

<!-- name of the release blocks which can be used in the sourcetermTypes 1 and 5:

NOBLE-JOD-AEROSO
NOB-JOD-AER-T-TO
DRS-A_7_GROUPS
DRS-A_7_GROUPS09
DRS-B_9_GROUPS
MAAP4_10_GROUPS

-->

<!-- currently known reactor types of NPP sourceterms 1 to 8:

Undefined
PWR
LWGR
BWR
DWR
DWRK
SWR
PWR_(VVER440V230)
GCR
AGR
VVERv.213
Schwerwasser
Research
Pool
DEMO

RMBK
PHWR
VVER
VVER440
VVER1000
RDD_Explosion
RAC_with_Fire
ChemicalSeparationPlant

-->

```
<sourcetermInfo>
<sourcetermInputType>userDefinedHand|userDefinedLibrary|stackOnline</sourcetermInputType>
<!-- type_0 -->
<sourcetermFileName>sourceterm file name</sourcetermFileName>
</sourcetermInfo>

<sourcetermData inputType="1" >
<!--
    only one of the release blocks can be specified here with the attribute 'name'.
    the indicated block name determines the input form for the releaseFraction tag
-->
<releaseBlock name="NOBLE-JOD-AEROSO|NOB-JOD-AER-T-TO|DRS-A_7_GROUPS|DRS-A_7_GROUPS09|DRS-B_9_GROUPS|
MAAP4_10_GROUPS" />
<commentLine1>text max. 80 chars</commentLine1>
<commentLine2>text max. 80 chars</commentLine2>
<reactorType>String, ex. VVER</reactorType>
<endOfReaction>hour,ex. 0.5</endOfReaction>
<releaseTimeInterval start="0.5" end="2.5" >
<releaseAttribute height="100" thermalEnergy="1200" volumeFlux="2.0" ventArea="1.0" />
<relativeIodineFraction elemIod="100" orgBoIod="0" aerosolIod="0" />
<!-- release_block NOBLE-JOD-AEROSO -->
<releaseFraction nobleGas="100" iod="0" aerosol="0" />
<!-- release_block NOB-JOD-AER-T-TO -->
<releaseFraction nobleGas="100" iod="0" aerosol="0" trit="0" tritWat="0" />
<!-- release_block DRS-A_7_GROUPS -->
<releaseFraction nobleGas="100" iod="0" CsNaRb="0" SbSeTePo="0" BaRaSr="0" ruthen="0" lanth="0" />
<!-- release_block DRS-A_7_GROUPS09 -->
<releaseFraction nobleGas="100" iod="0" CsNaRb="0" SbSeTePo="0" BaRaSr="0" ruthen="0" lanth="0" trit="0"
tritWat="0" />
```

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<!-- release_block DRS-B_9_GROUPS -->
<releaseFraction nobleGas="100" iod="0" CsNaRb="0" SbSeTePo="0" Sr=0 BaRa="0" ruthen="0" lanth="0"
actinCe="0" />
<!-- release_block MAAP4_10_GROUPS -->
<releaseFraction nobleGas="100" iod="0" Rb="0" Sr="0" ruthen="0" CsNa="0" BaRa="0" lanth="0" actinCe="0"
SbSeTePo="0" />

</releaseTimeInterval>
..
..
</sourcetermData>

<sourcetermData inputType="2" >
<commentLine1>text max. 80 chars</commentLine1>
<commentLine2>text max. 80 chars</commentLine2>
<reactorType>String, ex. VVER</reactorType>
<endOfReaction>hour,ex. 0.5</endOfReaction>
<inventoryReference used="true" />
<releaseTimeInterval start="0.5" end="2.5" >
<releaseAttribute height="100" thermalEnergy="1200" volumeFlux="2.0" ventArea="1.0" />
<relativeIodineFraction elemIod="100" orgBoIod="0" aerosolIod="0" />
<nuclide name="Kr-88" value="10" />
..
..
<nuclide name="Cs-137" value="5" />
</releaseTimeInterval>
..
..
</sourcetermData>

<sourcetermData inputType="3" >
<commentLine1>text max. 80 chars</commentLine1>
<commentLine2>text max. 80 chars</commentLine2>
<reactorType>String, ex. VVER</reactorType>
<endOfReaction>hour,ex. 0.5</endOfReaction>
<aerosolFraction CsRb="5" SbTe="0" BaSr="0" ruth="0" lanth="0" />
<releaseTimeInterval start="0.5" end="2.5" >
<releaseAttribute height="100" thermalEnergy="1200" volumeFlux="2.0" ventArea="1.0" />
<relativeIodineFraction elemIod="100" orgBoIod="0" aerosolIod="0" />
<releaseActivity nobleGas="8" I131="0" aerosol="0" />
</releaseTimeInterval>

```

```

    ..
    ..
</sourcetermData>

<sourcetermData inputType="4" >
<commentLine1>text max. 80 chars</commentLine1>
<commentLine2>text max. 80 chars</commentLine2>
<reactorType>String, ex. VVER</reactorType>
<endOfReaction>hour,ex. 0.5</endOfReaction>
<aerosolFraction CsRb="5" SbTe="0" BaSr="0" ruth="0" lanth="0" />
<releaseTimeInterval start="0.5" end="2.5" >
<releaseAttribute height="100" thermalEnergy="1200" volumeFlux="2.0" ventArea="1.0" />
<relativeIodineFraction elemIod="100" orgBoIod="0" aerosolIod="0" />
<releaseActivity nobleGas="0" iod="2" aerosol="0" />
</releaseTimeInterval>
    ..
    ..
</sourcetermData>

<sourcetermData inputType="5" >
<!--
    only one of the release blocks can be specified here with the attribute 'name'.
    the indicated block name determines the input form for releaseActivity tag
-->
<releaseBlock name="NOBLE-JOD-AEROSO|NOB-JOD-AER-T-TO|DRS-A_7_GROUPS|DRS-A_7_GROUPS09|DRS-B_9_GROUPS|
MAAP4_10_GROUPS" />
<commentLine1>text max. 80 chars</commentLine1>
<commentLine2>text max. 80 chars</commentLine2>
<reactorType>String, ex. VVER</reactorType>
<endOfReaction>hour,ex. 0.5</endOfReaction>
<releaseTimeInterval start="0.5" end="2.5" >
<releaseAttribute height="100" thermalEnergy="1200" volumeFlux="2.0" ventArea="1.0" />
<relativeIodineFraction elemIod="100" orgBoIod="0" aerosolIod="0" />
<!-- release_block NOBLE-JOD-AEROSO -->
<releaseActivity nobleGas="100" iod="0" aerosol="0" />
<!-- release_block NOB-JOD-AER-T-TO -->
<releaseActivity nobleGas="100" iod="0" aerosol="0" trit="0" tritWat="0" />
<!-- release_block DRS-A_7_GROUPS -->
<releaseActivity nobleGas="100" iod="0" CsNaRb="0" SbSeTePo="0" BaRaSr="0" ruthen="0" lanth="0" />
<!-- release_block DRS-A_7_GROUPS09 -->
<releaseActivity nobleGas="100" iod="0" CsNaRb="0" SbSeTePo="0" BaRaSr="0" ruthen="0" lanth="0" trit="0"

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tritWat="0" />
<!-- release_block DRS-B_9_GROUPS -->
<releaseActivity nobleGas="100" iod="0" CsNaRb="0" SbSeTePo="0" Sr="0" BaRa="0" ruthen="0" lanth="0"
actinCe="0" />
<!-- release_block MAAP4_10_GROUPS -->
<releaseActivity nobleGas="100" iod="0" Rb="0" Sr="0" ruthen="0" CsNa="0" BaRa="0" lanth="0" actinCe="0"
SbSeTePo="0" />

</releaseTimeInterval>
..
..
</sourcetermData>

<sourcetermData inputType="6" >
<commentLine1>text max. 80 chars</commentLine1>
<commentLine2>text max. 80 chars</commentLine2>
<reactorType>String, ex. VVER</reactorType>
<endOfReaction>hour,ex. 0.5</endOfReaction>
<unitOfActivityValue name="Bq" />
<releaseTimeInterval start="0.5" end="2.5" >
<releaseAttribute height="100" thermalEnergy="1200" volumeFlux="2.0" ventArea="1.0" />
<relativeIodineFraction elemIod="100" orgBoIod="0" aerosolIod="0" />
<nuclide name="Kr-88" value="10" />
..
..
<nuclide name="Cs-137" value="5" />
</releaseTimeInterval>
..
..
</sourcetermData>

<sourcetermData inputType="7" >
<commentLine1>text max. 80 chars</commentLine1>
<commentLine2>text max. 80 chars</commentLine2>
<reactorType>String, ex. VVER</reactorType>
<endOfReaction>hour,ex. 0.5</endOfReaction>
<unitOfActivityValue name="Bq/s" />
<releaseTimeInterval start="0.5" end="2.5" >
<releaseAttribute height="100" thermalEnergy="1200" volumeFlux="2.0" ventArea="1.0" />
<relativeIodineFraction elemIod="100" orgBoIod="0" aerosolIod="0" />

```

```

<nuclide name="Kr-88" value="10" />
  ..
  ..
<nuclide name="Cs-137" value="5" />
</releaseTimeInterval>
  ..
  ..
</sourcetermData>

<sourcetermData inputType="9" >
<commentLine1>text max. 80 chars</commentLine1>
<commentLine2>text max. 80 chars</commentLine2>
<unitOfExplosionStrength name="Kg"/>
<releaseAttribute cloudRiseFactor="1.0" height="1.0" explosionStrength="1.0" />
<nuclide name="Co-60" value="1.0E+10" />
<nuclide name="Sr-90" value="1.0E+11" />
<nuclide name="Cs-137" value="1.0E+12" />
<nuclide name="Pu-238" value="1.0E+13" />
<nuclide name="Am-241" value="1.0E+14" />
</sourcetermData>

<sourcetermData inputType="10">
<commentLine1>text max. 80 chars</commentLine1>
<commentLine2>text max. 80 chars</commentLine2>
<releaseAttribute durationOfFire="60" height="1.0" areaOfFire="25.0" thermalPower="1.0" />
<nuclide name="Co-60" value="1.0E+10" />
<nuclide name="Sr-90" value="1.0E+11" />
<nuclide name="Cs-137" value="1.0E+12" />
<nuclide name="Pu-238" value="1.0E+13" />
<nuclide name="Am-241" value="1.0E+14" />
</sourcetermData>

<!-- Segment weatherInfo -->
<!--
  if the option meteoOnline, then
  the tag weatherData will be ignored and the meteo time stamp
  data of the meteo directory will be used.
  if initialPlumeBroadening considered then needed
  buildingWidth and buildingHeight.
  usage of units:
  measurement height [m], decimal number ex. 10.0          measurementHeight

```

| | |
|---|--------------|
| time interval: [h] ,decimal number ex. 1.5 | timeInterval |
| wind direction: degree, decimal number ex. 270. | windDir |
| wind speed: [m/s], decimal number ex. 12.6 | windSpeed |
| rain intensity: [mm/h], decimal number ex. 3.0 | rainInt |
| diffusion category: A B C D E F | diffCat |

-->

```

<weatherInfo>
<weatherInputType>userDefinedData|meteoOnline</weatherInputType>

<meteoTimeStamp>default|timestamp,14 digit</meteoTimeStamp>
<meteoProvider>name of the provider</meteoProvider>
<meteoAdaptTime>true|false</meteoAdaptTime>
<meteoSettingType>Prognosis|Diagnosis</meteoSettingType>

<initialPlumeBroadening>do_not_consider|consider</initialPlumeBroadening>
<buildingWidth>30</buildingWidth>
<buildingHeight>50</buildingHeight>
<turbulenceParameter>ka_Jue_Mol|DFK</turbulenceParameter>
<landUseData>ROGISl|grass/u|agricul|wood|water|urban"</landUseData>
<measurementHeight>40</measurementHeight>

<weatherData timeInterval="val" windDi="val" windSp="val" rainIn="val" diffCat="val" />
.
.
<weatherData timeInterval="val" windDi="val" windSp="val" rainIn="val" diffCat="val" />
</weatherInfo>

<!-- Segment intervention criteria
Abbreviations:
    evac      evacuation
    shelt     sheltering
    integTime integration time[days]
-->

<interventionCriteriaInfo>

<organDoseCriteriaForScheltering>

<thyroid cloud="0|1" ground="0|1" inhalation="1|0" />

```

```

<lung cloud="0|1" ground="0|1" inhalation="1|0" />
<bonemarrow cloud="0|1" ground="0|1" inhalation="1" />
<uterus cloud="0" ground="0" inhalation="1|0" />
<effective cloud="0|1" ground="0|1" inhalation="1|0" />
<integTime cloud="7" ground="7" inhalation="14" />
<considerSkinContamination>true|false</considerSkinContamination>

</organDoseCriteriaForSheltering>

<organDoseCriteriaForEvacuation>

<thyroid cloud="0|1" ground="0|1" inhalation="1|0" />
<lung cloud="0|1" ground="0|1" inhalation="1|0" />
<bonemarrow cloud="0|1" ground="0|1" inhalation="1|0" />
<uterus cloud="0|1" ground="0|1" inhalation="1|0" />
<effective cloud="0" ground="0" inhalation="1" />
<integTime cloud="18" ground="15" inhalation="14" />
<considerSkinContamination>true|false</considerSkinContamination>

</organDoseCriteriaForEvacuation>

<organDoseCriteriaForIodineDistribution>
<thyroid cloud="0|1" ground="0|1" inhalation="1|0" />
<integTime cloud="0" ground="0" inhalation="7" />
</organDoseCriteriaForIodineDistribution>

</interventionCriteriaInfo>

<!-- Segment countermeasure -->
<!-- used abbreviations:
    DIL: Dose Intervention Level
    organDIL: organDIL[mSv]
    NG: Nuclide Group
    Fo: Food
    FoSt: FoodStuffs
    Startzeit=Start of release | End_of_prognosis - 24 h

    hours: shelteringBegin - Startzeit
    hours: evacuationBegin - Startzeit
    hours: sheltBeforeEvacuationBegin - Startzeit
    hours: iodineIntakeTime - Startzeit

```

-->

<countermeasureInfo>

<earlyCountermeasureInfo>

<countryOfCM>abbreviated country name from the list,ex. GER</countryOfCM>

<shelteringAction doit="true|false" >

<shelteringDIL thyroid="10" effective="20" lung="0" skin="0" uterus="0" bonemarrow="0" />

<shelteringBegin>hours rel. to release,ex. 6</shelteringBegin>

<shelteringDuration>hours,ex. 120</shelteringDuration>

</shelteringAction>

<evacuationAction doit="true|false" >

<evacuationDIL thyroid="10" effective="20" lung="0" skin="0" uterus="0" bonemarrow="0" />

<evacuationBegin>hours rel. to release,ex. 6</evacuationBegin>

<evacuationDuration>hours,ex. 8</evacuationDuration>

<evacuationReturn>days,ex. 60</evacuationReturn>

</evacuationAction>

<sheltBeforeEvacuationBegin>hour, ex. 7</sheltBeforeEvacuationBegin>

<sheltBeforeEvacuationDuration>hour,ex. 2</sheltBeforeEvacuationDuration>

<iodineDistribution doit="true|false" >

<iodineToChildrenDIL thyroid="50" effective="99999" />

<iodineToAdultDIL thyroid="250" effective="99999" />

<iodineIntakeTime>hours</iodineIntakeTime>

</iodineDistribution>

<potentialArea>1</potentialArea>

<permanentRelocationDIL>in [mSv],ex. 100</permanentRelocationDIL>

<temporaryRelocationDIL>in [mSv],ex. 30</temporaryRelocationDIL>

</earlyCountermeasureInfo>

<lateCountermeasureInfo>

<countryOfLateCM name="germany" />

<permRelocationImpositionLevel>in [mSv],ex. 0.1</permRelocationImpositionLevel>

```

<timePeriodImposition>days,ex. 365</timePeriodImposition>
<permRelocationRelaxationLevel>in [mSv],ex. 0.01</permRelocationRelaxationLevel>
<timePeriodRelaxation>days,ex. 180</timePeriodRelaxation>
<temporaryRelocationDuration>days,ex.30</temporaryRelocationDuration>
<implementationTimePermRelocation>days,ex. 15</implementationTimePermRelocation>
<implementationTimeTempRelocation>days,ex. 5</implementationTimeTempRelocation>
<deconTechniquesFlags>1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0</deconTechniquesFlags>
<deconFlags>1 0 0</deconFlags>
<deconStrategyFlags>1 0 0</deconStrategyFlags>

<foodInterventionLevels>
<strontiumNG babyFo="75" dairyFo="125" otherFo="750" liquidFo="125" minorFo="7500" />
<iodineNG babyFo="150" dairyFo="500" otherFo="2000" liquidFo="500" minorFo="2000" />
<alphaEmittingNG babyFo="1" dairyFo="20" otherFo="80" liquidFo="20" minorFo="800" />
<otherNG babyFo="400" dairyFo="1000" otherFo="1250" liquidFo="1000" minorFo="12500" />
</foodInterventionLevels>

</lateCountermeasureInfo>

<!-- Segment resultsInfo -->
<!-- if a subset of the graphical results has been selected, then
the list of those selected results item should be insert
with the same syntax as in rodos, into the
segment 'listOfGraphicsResults' at the new line, left justified
-->

<listOfGraphicsResults><![CDATA[
.
.
]]></listOfGraphicsResults>

<!-- Segment keyed resultsInfo -->
<!-- if a subset of the graphical results has been selected, then
a set of corresponding result nodes should be insert
using an unique key number which is used independently from
internationalization. The result node contains the textual description
of the result in the internationalization used in RODOS-Lite.
-->

```

```
<graphicsResults>
  <result key="30101">protocol of input data</result>
  <result key="30102">inventory data</result>
  .
  .
  .
  <result key="31530">local skin dose (24h)</result>
</graphicsResults>
```

```
<!-- Segment nothing to do -->
<!-- this segment should be seen as container for some data which
      will not be handled by the rodos dispatcher.
      It is only for internal usage.
-->
<noProcessThisSegment>
  .
  .
</noProcessThisSegment>
```