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Subject: Re: New area types for railML 3.3

Posted by [Jörg von Lingen](#) on Sun, 25 Feb 2024 07:52:24 GMT

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Dear all,

I have made a draft of the proposed areas in the model derived from RestrictedArea.

```
<xs:complexType name="DangerArea">
```

```
<xs:complexContent>
```

```
<xs:extension base="rail3:RestrictedArea">
```

```
<xs:sequence>
```

```
<xs:element name="detectorInState" type="rail3:DetectorInState"
  minOccurs="0" maxOccurs="unbounded"/>
```

```
<xs:element name="signalWithAspect" type="rail3:SignalWithAspect"
  minOccurs="0" maxOccurs="unbounded"/>
```

```
</xs:sequence>
```

```
</xs:extension>
```

```
</xs:complexContent>
```

```
</xs:complexType>
```

```
<xs:complexType name="EmergencyStopArea">
```

```
<xs:complexContent>
```

```
<xs:extension base="rail3:RestrictedArea">
```

```
<xs:sequence>
```

```
<xs:element name="detectorInState" type="rail3:DetectorInState"
  minOccurs="0" maxOccurs="unbounded"/>
```

```
<xs:element name="signalWithAspect" type="rail3:SignalWithAspect"
  minOccurs="0" maxOccurs="unbounded"/>
```

```
<xs:element name="keyLockInState" type="rail3:KeyLockInState" minOccurs="0"
  maxOccurs="unbounded"/>
```

```
<xs:element name="levelCrossingInState" type="rail3:LevelCrossingInState"
  minOccurs="0" maxOccurs="unbounded"/>
```

```
</xs:sequence>
```

```
<xs:attribute name="isConditional" use="optional" type="xs:boolean">
```

```
</xs:attribute>
```

```
</xs:extension>
```

```
</xs:complexContent>
```

```
</xs:complexType>
```

In addition to the proposal from BaneNor I have added keylock and level crossing in the emergency stop area as proposed in <https://www.railml.org/forum/index.php?t=rview&goto=3167&th=927>.

There is one question remaining: Do we need to refer to the triggering detector for the conditional ESA?

Best regards,

