



```
| width="40" align="center" | D-A-CH
```

```
| width="40" align="center" | AUT
```

**Zeile 116:**

```
|- style="background-color:#517CFF;font-size:11pt;font-weight:bold;color:#FFFFFF"
```

```
| width="160" align="right" | Zeitschlitz  
(TS)
```

```
- | width="40" align="center" | 1
```

```
- | width="40" align="center" | 1
```

```
- | width="40" align="center" | 1
```

```
| width="40" align="center" | 1
```

```
| width="40" align="center" | 1
```

**Zeile 142:**

```
| width="40" align="center" | 2
```

```
| width="40" align="center" | 10
```

```
- | width="40" align="center" | 11
```

```
- | width="40" align="center" | 12
```

```
| width="40" align="center" | 13
```

```
- | width="40" align="center" | 14
```

```
| width="40" align="center" | 20
```

```
| width="40" align="center" | 232
```

**Zeile 162:**

```
|- style="background-color:#E2EFDA"
```

```
|style="font-size:11pt" height="15" valign="bottom" | Bisamberg<br />  
OE1XAR
```

```
- |style="font-size:14pt" align="center"  
| x
```

```
- |style="font-size:14pt" align="center"  
| x
```

```
- |style="font-size:14pt" align="center"  
| x
```

```
|style="font-size:14pt" align="center" | x
```

```
| width="40" align="center" | D-A-CH
```

```
| width="40" align="center" | AUT
```

**Zeile 116:**

```
|- style="background-color:#517CFF;font-size:11pt;font-weight:bold;color:#FFFFFF"
```

```
| width="160" align="right" | Zeitschlitz  
(TS)
```

```
| width="40" align="center" | 1
```

```
| width="40" align="center" | 1
```

**Zeile 139:**

```
| width="40" align="center" | 2
```

```
| width="40" align="center" | 10
```

```
| width="40" align="center" | 13
```

```
| width="40" align="center" | 20
```

```
| width="40" align="center" | 232
```

**Zeile 156:**

```
|- style="background-color:#E2EFDA"
```

```
|style="font-size:11pt" height="15" valign="bottom" | Bisamberg<br />  
OE1XAR
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

Zeile 188:

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
- |style="font-size:14pt" align="right"  
align="center" | &nbsp;
```

```
- |style="font-size:14pt" align="right"  
align="center" | &nbsp;
```

```
|style="font-size:14pt" align="center" | x
```

```
- |style="font-size:14pt" align="right"  
align="center" | &nbsp;
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

Zeile 211:

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
- |style="font-size:14pt" align="right"  
align="center" | &nbsp;
```

```
- |style="font-size:14pt" align="right"  
align="center" | &nbsp;
```

```
|style="font-size:14pt" align="center" | x
```

```
- |style="font-size:14pt" align="right"  
align="center" | &nbsp;
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

Zeile 234:

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
- |style="font-size:14pt" align="right"  
align="center" | &nbsp;
```

```
- |style="font-size:14pt" align="right"  
align="center" | &nbsp;
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

Zeile 179:

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

Zeile 199:

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

Zeile 219:

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

Zeile 257:

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

Zeile 280:

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

Zeile 303:

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

Zeile 239:

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

Zeile 259:

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

Zeile 279:

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

**Zeile 326:**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

**Zeile 299:**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

**Zeile 349:**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

**Zeile 319:**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

– **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

**Zeile 367:**

|style="font-size:14pt" align="center" | x

**Zeile 334:**

|style="font-size:14pt" align="center" | x

<p>- <code> - style="background-color:#DDEBF7"</code></p> <p>- <code> style="font-size:11pt" height="15" valign="bottom"   <b>Pyramidenkogel</b>&lt;br /&gt; <b>OE8XKK</b></code></p> <p><code> style="font-size:14pt" align="center"   x</code></p> <p><code> style="font-size:14pt" align="center"   x</code></p> <p><code> style="font-size:14pt" align="center"   x</code></p> <p>- <code>lstyle="font-size:14pt" align="right" align="center"   &amp;nbsp;</code></p> <p>- <code>lstyle="font-size:14pt" align="right" align="center"   &amp;nbsp;</code></p> <p>- <code>lstyle="font-size:14pt" align="right" align="center"   &amp;nbsp;</code></p> <p><code> style="font-size:14pt" align="center"   x</code></p> <p><code> style="font-size:14pt" align="center"   x</code></p> <p><code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code></p> <p><code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code></p> <p>- <code>lstyle="font-size:14pt" align="center"   x</code></p> <p><code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code></p> <p><code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code></p>	<p>+ <code> - style="background-color:#FCE4D6"</code></p> <p><code> style="font-size:11pt" height="15" valign="bottom"   <b>Schöckl</b>&lt;br /&gt; <b>OE6 XAG</b></code></p> <p><code> style="font-size:14pt" align="center"   x</code></p> <p><code> style="font-size:14pt" align="center"   x</code></p> <p><code> style="font-size:14pt" align="center"   x</code></p> <p><code> style="font-size:14pt" align="center"   x</code></p> <p><code> style="font-size:14pt" align="center"   x</code></p> <p><code> style="font-size:14pt" align="center"   x</code></p> <p><code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code></p> <p><code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code></p> <p>+ <code>lstyle="font-size:14pt" align="right" align="center"   &amp;nbsp;</code></p> <p>+ <code>lstyle="font-size:14pt" align="center"   x</code></p> <p><code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code></p> <p><code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code></p>
---	---

<p>- <b> style="font-size:14pt" align="center"   x</b></p>	
<p> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>	<p> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>
<p> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>	<p> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>
<p> style="font-size:14pt" align="center"   x</p>	<p> style="font-size:14pt" align="center"   x</p>
<p></p>	<p></p>
<p>-  - style="background-color:#DDEBF7"</p>	<p>+  - style="background-color:#FCE4D6"</p>
<p>-  style="font-size:11pt" height="15" valign="bottom"   <b>Magdalensberg</b>&lt;br /&gt; <b>OE8XMK</b></p>	<p>+  style="font-size:11pt" height="15" valign="bottom"   <b>Rennfeld</b>&lt;br /&gt; <b>O E6XBG</b></p>
<p> style="font-size:14pt" align="center"   x</p>	<p> style="font-size:14pt" align="center"   x</p>
<p> style="font-size:14pt" align="center"   x</p>	<p> style="font-size:14pt" align="center"   x</p>
<p> style="font-size:14pt" align="center"   x</p>	<p> style="font-size:14pt" align="center"   x</p>
<p>-  style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>	
<p>-  style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>	
<p> style="font-size:14pt" align="center"   x</p>	<p> style="font-size:14pt" align="center"   x</p>
<p>-  style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>	
<p> style="font-size:14pt" align="center"   x</p>	<p> style="font-size:14pt" align="center"   x</p>
<p> style="font-size:14pt" align="center"   x</p>	<p> style="font-size:14pt" align="center"   x</p>
<p> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>	<p> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>
<p> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>	<p> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>
<p>-  style="font-size:14pt" align="center"   x</p>	
<p> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>	<p> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>
<p> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>	<p> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</p>

	+	<b> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</b>
	+	<b> style="font-size:14pt" align="center"   x</b>
style="font-size:14pt" align="right" align="center"   &nbsp;		style="font-size:14pt" align="right" align="center"   &nbsp;
style="font-size:14pt" align="right" align="center"   &nbsp;		style="font-size:14pt" align="right" align="center"   &nbsp;
-		<b> style="font-size:14pt" align="center"   x</b>
style="font-size:14pt" align="right" align="center"   &nbsp;		style="font-size:14pt" align="right" align="center"   &nbsp;
style="font-size:14pt" align="right" align="center"   &nbsp;		style="font-size:14pt" align="right" align="center"   &nbsp;
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
-	+	<b> - style="background-color:#DDEBF7"</b>
-	+	<b> style="font-size:11pt" height="15" valign="bottom"   <b>Petzen</b>&lt;br /&gt; <b>OE8 XPK</b></b>
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
-		<b> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</b>
-		<b> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</b>
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
-		<b> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</b>
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
style="font-size:14pt" align="right" align="center"   &nbsp;		style="font-size:14pt" align="right" align="center"   &nbsp;



<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>
<b>-</b> <code> style="font-size:14pt" align="center"   x</code>	
<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>
<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>
	<b>+</b> <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>
	<b>+</b> <code> style="font-size:14pt" align="center"   x</code>
<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>
<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>
<b>-</b> <code> style="font-size:14pt" align="center"   x</code>	
<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>
<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>
<code> style="font-size:14pt" align="center"   x</code>	<code> style="font-size:14pt" align="center"   x</code>
<b>-</b> <code>  style="background-color:#DDEBF7"</code>	<b>+</b> <code>  style="background-color:#BDD7EE"</code>
<b>-</b> <code> style="font-size:11pt" height="15" valign="bottom"   <b>Sonnblick</b>&lt;br /&gt; <b>O E2XSV</b></code>	<b>+</b> <code> style="font-size:11pt" height="15" valign="bottom"   <b>Bruckerberg</b>&lt;br /&gt; <b>OE7XZH</b></code>
<code> style="font-size:14pt" align="center"   x</code>	<code> style="font-size:14pt" align="center"   x</code>
<code> style="font-size:14pt" align="center"   x</code>	<code> style="font-size:14pt" align="center"   x</code>
<code> style="font-size:14pt" align="center"   x</code>	<code> style="font-size:14pt" align="center"   x</code>
<b>-</b> <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	
<b>-</b> <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	

<code> style="font-size:14pt" align="center"   x</code>	<code> style="font-size:14pt" align="center"   x</code>
- <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	
<code> style="font-size:14pt" align="center"   x</code>	<code> style="font-size:14pt" align="center"   x</code>
<code> style="font-size:14pt" align="center"   x</code>	<code> style="font-size:14pt" align="center"   x</code>
- <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	
<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>
<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>
<b>Zeile 457:</b>	<b>Zeile 411:</b>
<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>
<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	<code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>
	+ <code> style="font-size:14pt" align="center"   x</code>
<code> style="font-size:14pt" align="center"   x</code>	<code> style="font-size:14pt" align="center"   x</code>
- <code>  style="background-color:#FCE4D6"</code>	+ <code>  style="background-color:#BDD7EE"</code>
- <code> style="font-size:11pt" height="15" valign="bottom"   Schöckl&lt;br /&gt; OE6 XAG</code>	+ <code> style="font-size:11pt" height="15" valign="bottom"   Rangger&amp;nbsp; Köpfl&lt;br /&gt; OE7XBI</code>
<code> style="font-size:14pt" align="center"   x</code>	<code> style="font-size:14pt" align="center"   x</code>
<code> style="font-size:14pt" align="center"   x</code>	<code> style="font-size:14pt" align="center"   x</code>
<code> style="font-size:14pt" align="center"   x</code>	<code> style="font-size:14pt" align="center"   x</code>
- <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	
- <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	
<code> style="font-size:14pt" align="center"   x</code>	<code> style="font-size:14pt" align="center"   x</code>
- <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>	

style="font-size:14pt" align="center"   x	style="font-size:14pt" align="center"   x
style="font-size:14pt" align="center"   x	style="font-size:14pt" align="center"   x
	+
style="font-size:14pt" align="right" align="center"   &nbsp;	<b> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</b>
style="font-size:14pt" align="right" align="center"   &nbsp;	style="font-size:14pt" align="right" align="center"   &nbsp;
style="font-size:14pt" align="right" align="center"   &nbsp;	style="font-size:14pt" align="right" align="center"   &nbsp;
<b>Zeile 478:</b>	<b>Zeile 431:</b>
style="font-size:14pt" align="right" align="center"   &nbsp;	style="font-size:14pt" align="right" align="center"   &nbsp;
style="font-size:14pt" align="right" align="center"   &nbsp;	style="font-size:14pt" align="right" align="center"   &nbsp;
-  style="font-size:14pt" align="right" align="center"   &nbsp;	+
-  style="font-size:14pt" align="right" align="center"   &nbsp;	style="font-size:14pt" align="center"   x
style="font-size:14pt" align="center"   x	style="font-size:14pt" align="center"   x
- style="background-color:#FCE4D6"	+  - style="background-color:#BDD7EE"
-  style="font-size:11pt" height="15" valign="bottom"   <b>Rennfeld</b>   <b>O E6XBG</b>	+  style="font-size:11pt" height="15" valign="bottom"   <b>Penken</b>   <b>OE7 XTT</b>
style="font-size:14pt" align="center"   x	style="font-size:14pt" align="center"   x
style="font-size:14pt" align="center"   x	style="font-size:14pt" align="center"   x
style="font-size:14pt" align="center"   x	style="font-size:14pt" align="center"   x
-  style="font-size:14pt" align="right" align="center"   &nbsp;	
-  style="font-size:14pt" align="right" align="center"   &nbsp;	
style="font-size:14pt" align="center"   x	style="font-size:14pt" align="center"   x
-  style="font-size:14pt" align="right" align="center"   &nbsp;	
style="font-size:14pt" align="center"   x	style="font-size:14pt" align="center"   x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

+

**|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

**Zeile 501:**

**Zeile 451:**

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

- |style="font-size:14pt" align="right" align="center" | &nbsp;

+

|style="font-size:14pt" align="center" | x

- |style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

- |- style="background-color:#FCE4D6"

+

|- style="background-color:#BDD7EE"

- |style="font-size:11pt" height="15" valign="bottom" | **Schönbergkopf**<br /> **OE6XAR**

+

|style="font-size:11pt" height="15" valign="bottom" | **Sonnblick**<br /> **O E2XSV**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

- |style="font-size:14pt" align="right" align="center" | &nbsp;

- |style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

- |style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

	+	
		<b> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</b>
style="font-size:14pt" align="right" align="center"   &nbsp;		style="font-size:14pt" align="right" align="center"   &nbsp;
style="font-size:14pt" align="right" align="center"   &nbsp;		style="font-size:14pt" align="right" align="center"   &nbsp;
<b>Zeile 522:</b>		<b>Zeile 469:</b>
style="font-size:14pt" align="right" align="center"   &nbsp;		style="font-size:14pt" align="right" align="center"   &nbsp;
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
<b> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</b>		
style="font-size:14pt" align="right" align="center"   &nbsp;		style="font-size:14pt" align="right" align="center"   &nbsp;
style="font-size:14pt" align="right" align="center"   &nbsp;		style="font-size:14pt" align="right" align="center"   &nbsp;
<b>Zeile 528:</b>		<b>Zeile 474:</b>
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
- style="background-color:# <b>BDD7EE</b> "	+	- style="background-color:# <b>DDEBF7</b> "
style="font-size:11pt" height="15" valign="bottom"   <b>Bruckerberg</b>   <b>OE7XZH</b>	+	style="font-size:11pt" height="15" valign="bottom"   <b>Pyramidenkogel</b>   <b>OE8XKK</b>
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
<b> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</b>		
<b> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</b>		
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
<b> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</b>		
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x
style="font-size:14pt" align="center"   x		style="font-size:14pt" align="center"   x

```
|style="font-size:14pt" align="right" align="center" | &nbsp;
```

```
|style="font-size:14pt" align="right" align="center" | &nbsp;
```

```
|style="font-size:14pt" align="right" align="center" | &nbsp;
```

```
|style="font-size:14pt" align="right" align="center" | &nbsp;
```

+

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="right" align="center" | &nbsp;
```

```
|style="font-size:14pt" align="right" align="center" | &nbsp;
```

```
|style="font-size:14pt" align="right" align="center" | &nbsp;
```

```
|style="font-size:14pt" align="right" align="center" | &nbsp;
```

**Zeile 548:**

**Zeile 492:**

```
|style="font-size:14pt" align="right" align="center" | &nbsp;
```

```
|style="font-size:14pt" align="right" align="center" | &nbsp;
```

```
|style="font-size:14pt" align="right" align="center" | &nbsp;
```

```
|style="font-size:14pt" align="right" align="center" | &nbsp;
```

- **|style="font-size:14pt" align="center" | x**

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

- |- style="background-color:#**BDD7EE**"

+ |- style="background-color:#**DDEBF7**"

- |style="font-size:11pt" height="15" valign="bottom" | **Rangger&nbsp;**  
**Köpf**  
**OE7XBI**

+ |style="font-size:11pt" height="15" valign="bottom" | **Magdalensberg**  
**OE8XMK**

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

- **|style="font-size:14pt" align="right" align="center" | &nbsp;**

- **|style="font-size:14pt" align="right" align="center" | &nbsp;**

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

- **|style="font-size:14pt" align="right" align="center" | &nbsp;**

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

+

**|style="font-size:14pt" align="center" | x**

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

**Zeile 571:**

|style="font-size:14pt" align="right" align="center" | &nbsp;

**Zeile 512:**

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

- **|style="font-size:14pt" align="center" | x**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

- |- style="background-color:#**BDD7EE**"

+

|- style="background-color:#**DDEBF7**"

- |style="font-size:11pt" height="15" valign="bottom" | **Penken**<br /> **OE7 XTT**

+

|style="font-size:11pt" height="15" valign="bottom" | **Petzen**<br /> **OE8 XPK**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

- **|style="font-size:14pt" align="right" align="center" | &nbsp;**

- **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

- **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

+

**|style="font-size:14pt" align="center" | x**

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

**Zeile 594:**

|style="font-size:14pt" align="right" align="center" | &nbsp;

**Zeile 532:**

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

|style="font-size:14pt" align="right" align="center" | &nbsp;

- **|style="font-size:14pt" align="center" | x**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

**Zeile 602:**

|style="font-size:14pt" align="center" | x

**Zeile 539:**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

- **|style="font-size:14pt" align="right" align="center" | &nbsp;**

- **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

- **|style="font-size:14pt" align="right" align="center" | &nbsp;**

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

|style="font-size:14pt" align="center" | x

**Version vom 16. Dezember 2014, 14:37 Uhr**

---



## Inhaltsverzeichnis

1 Allgemeine Info .....	18
2 Sprechgruppen / Talkgroups in Österreich .....	18
3 Sprechgruppen (TGs) in Österreich .....	19
4 Österreichweite DMR-Abdeckung .....	20
4.1 Motorola .....	20
4.2 Hytera .....	21
5 DMR Talkgroup-Vernetzungs-Matrix in Österreich .....	22
5.1 MOTOROLA-Umsetzer .....	22
5.2 HYTERA-Umsetzer .....	24

## Allgemeine Info

Für DMR-Funkgespräche stehen pro Umsetzer zwei Zeitschlitz (TS = TimeSlot) zur Verfügung. Durch diese zwei Zeitschlitz ist es möglich 2 Funkgespräche unabhängig von einander am gleichen Umsetzer zuzuführen. Innerhalb der Zeitschlitz kann mit Hilfe von Sprechgruppen (TG = TalkGroups) die "Reichweite" des Funkgesprächs gesteuert werden. Für Funkgespräche innerhalb Österreichs sind drei TalkGroups definiert worden:

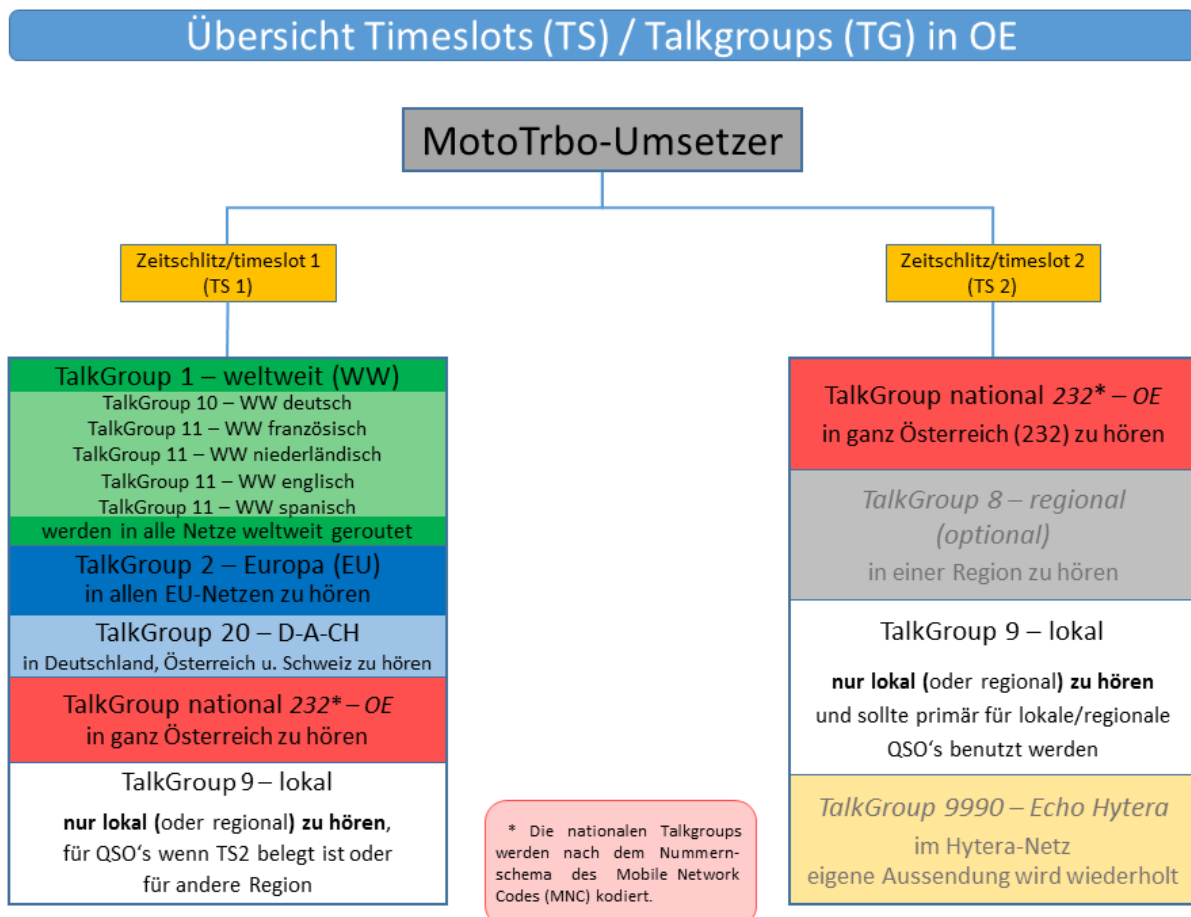
- TG 232 = für österreichweite Funkgespräche
- TG 8 = für regionale Funkgespräche
- TG 9 = für lokale bzw. regionale Funkgespräche

Für österreichweite und lokale Verbindungen sollte primär der Zeitschlitz 2 (TS 2) verwendet werden, da der Zeitschlitz 1 auch für internationale Verbindungen vorgesehen ist.

Weitere Details zu TS bzw. TG sind bei [Mototrbo-international](#) zu finden

## Sprechgruppen / Talkgroups in Österreich

Stand: 28. August 2014



## Sprechgruppen (TGs) in Österreich

Diese Sprechgruppen-Liste gilt in Österreich auf den Relais laut Umsetzlerliste (siehe [Frequenzen-OE](#) mit Standortkarte) und sollte somit in allen österreichischen Geräte-Codeplugs (siehe [Mototrbo-Programmierung](#)) abgebildet sein. Wobei die genaue Verbreitung der TG1x in OE aus der weiter unten stehenden Matrix [\[1\]](#) entnommen werden kann.

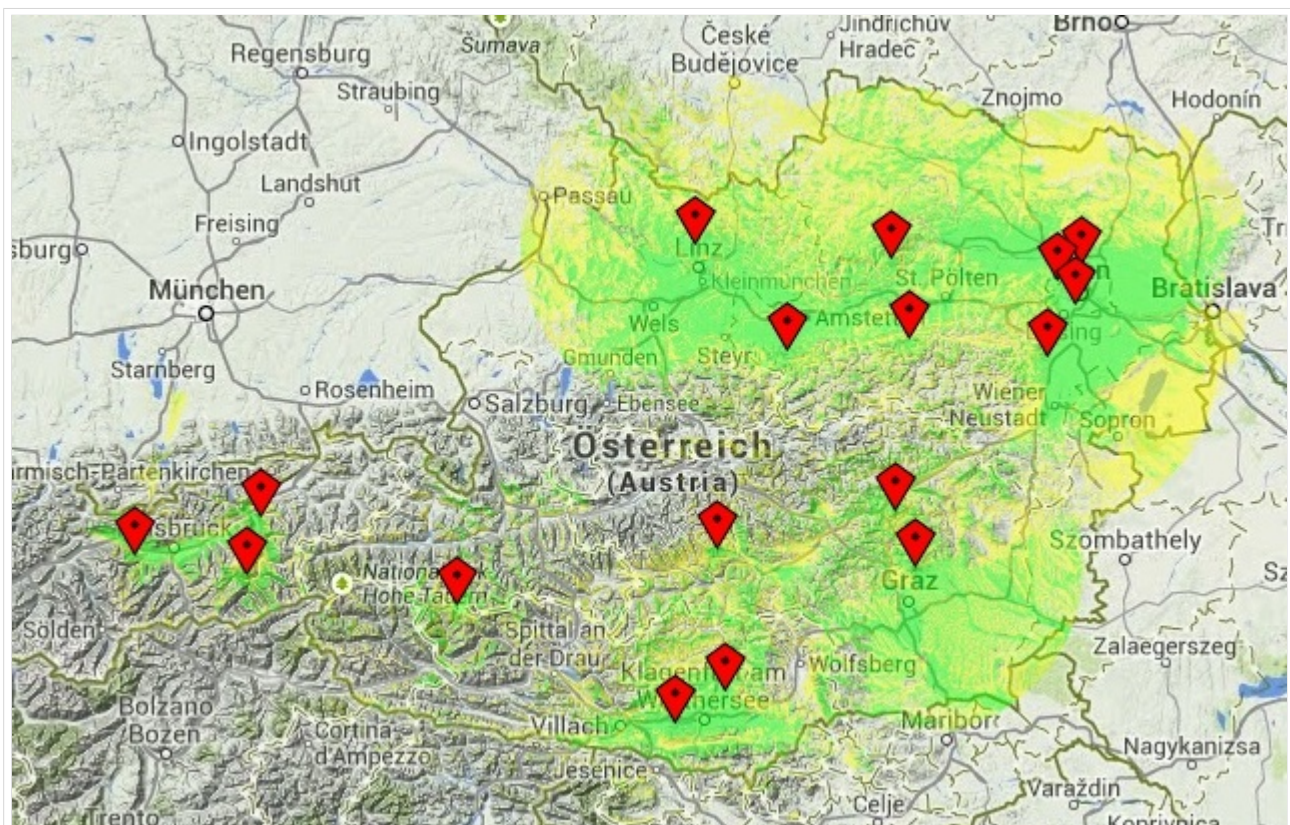
Sprechgruppe Talkgroup	Sprechgruppen- bezeichnung	Verbreitungsgebiet	Zeitschlitz Timeslot	Bemerkungen
TG 1	1 WELTWEIT WW	in alle weltweiten Netze	TS 1	für weltweite <b>Anrufe</b> und <b>KURZE</b> QSOs
TG 10	10 WW DEU	in alle weltweiten Netze	TS 1	für weltweite QSOs in deutsch
TG 11	11 WW FRA	in alle weltweiten Netze	TS 1	für weltweite QSOs in französisch (nicht auf allen OE-Umsetzern verfügbar!)
TG 12	12 WW NLD	in alle weltweiten Netze	TS 1	für weltweite QSOs in niederländisch (nicht auf allen OE-Umsetzern verfügbar!)
TG 13	13 WW ENG	in alle weltweiten Netze	TS 1	für weltweite QSOs in englisch (nicht auf allen OE-Umsetzern verfügbar!)
TG 14	14 WW SPA	in alle weltweiten Netze	TS 1	für weltweite QSOs in spanisch (nicht auf allen OE-Umsetzern verfügbar!)
TG 2	2 EUROPA	in alle europäische Netze	TS 1	für europaweite Anrufe und QSOs
TG 20	20 D-A-CH	Deutschland, Österreich & Schweiz	TS 1	für deutschsprachige Anrufe und QSOs
TG 232	232 ÖSTERREICH	alle österreichischen Regionalnetze	TS 1	für Anrufe und kurze nationale Gespräche in OE
TG 9	9 LOKAL	keine Weiterleitung, regionales Netz	TS 1	Lokalbetrieb, wenn TS2 besetzt ist, gilt für alle Regionalnetze
TG 232	232 ÖSTERREICH	alle österreichischen Regionalnetze	TS 2	für längere, österreichweite Gespräche
		regionales Netz (OE1)		

Sprechgruppe Talkgroup	Sprechgruppen- bezeichnung	Verbreitungsgebiet	Zeitschlitz Timeslot	Bemerkungen
TG 8	8 REGIONAL	& OE3)	TS 2	für regionale QSOs
TG 9	9 LOKAL	keine Weiterleitung, regionales Netz	TS 2	für längere, lokale QSOs, gilt für alle Regionalnetze
TG 9990	9990 ECHO	keine Weiterleitung	TS 2	Hytera Netz - eigene Ausendung wird wiederholt (Papagei)

## Österreichweite DMR-Abdeckung

Detailliertere Informationen/Darstellungen zu den Abdeckungen der einzelnen Umsetzer und der DMR-Regionen (TG 8 & 9) in Österreich sind bei [Mototrbo-Umsetzer-Footprints](#) zu finden

### Motorola



Darstellung der Motorola DMR Abdeckung in Österreich auf TG232

## Hytera



Darstellung der Hytera DMR Abdeckung in Österreich auf TG232

## DMR Talkgroup-Vernetzungs-Matrix in Österreich

Über die Sprechgruppen wird die "Reichweite" der Aussendung in einem Netz (Motorola oder Hytera) 'gesteuert'. Die Aussendungen auf den überregionalen Sprechgruppen (TG1, TG2, TG20, TG232) werden auf alle Umsetzer des Netzes geroutet. Mit den Sprechgruppen (TG8 & TG9) können/werden die Umsetzer in unterschiedliche Regionen zusammengefasst, wodurch das Funkgespräch auf diesen Sprechgruppen und Zeitschlitz (TS) nur in dieser "Region" bleibt. Diese zusammenhängenden Umsetzer sind an Hand der "x" in den jeweiligen Spalten zu erkennen.

### MOTOROLA-Umsetzer

Vernetzungs-Matrix - Welche Umsetzer sind auf welcher Sprechgruppe (TG) und auf welchem Zeitschlitz (TS) miteinander verbunden

Letzte Änderung: 16. Dez. 2014

Repeater	WW	EUR	WW DEU	WW ENG	D-A-CH	AUT	OE1	OE3	OE8	OE1	OE3	OE6
Zeitschlitz (TS)	1	1	1	1	1	1	1	1	1	2	2	2
Sprechgruppe (TG)	1	2	10	13	20	232	9	9	9	9	9	9

Bisamberg OE1XAR	X	X	X	X	X	X				X		
Wienerberg OE1XQU	X	X	X	X	X	X				X		
Exelberg OE1XQA	X	X	X	X	X	X				X		
Bad Vöslau /Harzberg OE3XDB	X	X	X	X	X	X				X		
Brentenriegl OE4XUB	X	X	X	X	X	X				X		
Kirchberg /Pielachtal OE3XKC	X	X	X	X	X	X					X	
Lichtenberg OE5XLL	X	X	X	X	X	X					X	
Jauerling OE3XHB	X	X	X	X	X	X	X				X	
Sonntagberg OE3XRB	X	X	X	X	X	X	X				X	
Schöckl OE6XAG	X	X	X	X	X	X						X
Rennfeld OE6XBG	X	X	X	X	X	X						X
Schönbergkopf OE6XAR	X	X	X	X	X	X						X
Bruckerberg OE7XZH	X	X	X	X	X	X						
Rangger Köpfl OE7XBI	X	X	X	X	X	X						
Penken OE7XTT	X	X	X	X	X	X						
Sonnblick OE2XSV	X	X	X	X	X	X						
Pyramidenkogel OE8XKK	X	X	X	X	X	X			X			
Magdalensberg OE8XMK	X	X	X	X	X	X			X			
Petzen OE8XPK	X	X	X	X	X	X			X			
Bregenz												

OE9LTV	X	X	X	X	X	X							
--------	---	---	---	---	---	---	--	--	--	--	--	--	--

## HYTERA-Umsetzer

Vernetzungs-Matrix - Welche Umsetzer sind auf welcher Sprechgruppe (TG) und auf welchem Zeitschlitz (TS) miteinander verbunden

Repeater	WW	EUR	D-A-CH	AUT	DEU	OE8 KTN	OE local	OE Ref. 4190	OE
Zeitschlitz (TS)	1	1	1	1	1	1	1	2	2
Sprechgruppe (TG)	1	2	20	232	262	8	9	9	Ref. Nr.
HYT Wien 22 OE1XIK	X	X	X	X	X			X	x
HYT Wienerberg OE1XQU	X	X	X	X	X			X	x
HYT Laaerberg <sup>1</sup> OE1XQU	X	X	X	X	X			X	x
HYT Hohe Wand OE3XTR	X	X	X	X	X			X	x
HYT Stradner Kogel OE6XBF	X	X	X	X	X			X	x
HYT Stuhleck Test <sup>2</sup> OE6XCD	X	X	X	X	X			X	x
HYT Dobratsch OE8XFK	X	X	X	X		X		X	x
HYT Saurachberg OE8XIK	X	X	X	X		X		X	x
HYT Koralm OE8XLK	X	X	X	X		X		X	x
HYT Petzen <sup>1</sup> OE8XPK	X	X	X	X		X		X	x

<sup>1</sup> = 2m-Umsetzer <sup>2</sup> = Umsetzer noch nicht am Standort

Sprachencodes nach [ISO 639-3](#)