Inhaltsverzeichnis

1. Archiv 2
2. Archiv/DMR Archiv DMR-Umsetzer-Vernetzungsmatrix-OE 4
3. Archiv/DMR Archiv MOTOTRBO Datenservice 81
4. Archiv/DMR Archiv Open Hytera 90

Archiv

Versionsgeschichte interaktiv durchsuchen
VisuellWikitext

Version vom 11. November 2021, 02:34 Uhr (Quelltext anzeigen)	**Aktuelle Version vom 1. September 2023, 08:27 Uhr (Quelltext anzeigen)**
Oe1kbc (Diskussion | Beiträge)	OE1VCC (Diskussion | Beiträge)
K	K
Markierung: Visuelle Bearbeitung	Markierung: 2017-Quelltext-Bearbeitung
← Zum vorherigen Versionsunterschied	

(3 dazwischenliegende Versionen von einem anderen Benutzer werden nicht angezeigt)

Zeile 7:	**Zeile 7:**
*[[Archiv/DMR Archiv Open Hytera|Open Hytera]]	*[[Archiv/DMR Archiv Open Hytera|Open Hytera]]
− *	+
	+ ***[[Archiv/DMR Archiv DMR-Umsetzer-Vernetzungsmatrix-OE|DMR Talkgroup-Vernetzungs-Matrix in Österreich]]**
	+ ***[[Archiv/DMR Archiv MOTOTRBO Datenservice|MOTOTRBO Datenservice]]**
__KEIN_INHALTSVERZEICHNIS__	__KEIN_INHALTSVERZEICHNIS__
− **__HIDETITLE__**	
__NOTOC__	__NOTOC__
__NODISCUSSION__	__NODISCUSSION__

Aktuelle Version vom 1. September 2023, 08:27 Uhr

DMR Archiv

- Open Hytera
- DMR Talkgroup-Vernetzungs-Matrix in Österreich
- MOTOTRBO Datenservice

Archiv und Archiv/DMR Archiv DMR-Umsetzer-Vernetzungsmatrix-OE: Unterschied zwischen den Seiten

VisuellWikitext

Version vom 11. November 2021, 02:34 Uhr (Quelltext anzeigen)	Aktuelle Version vom 1. September 2023, 08:27 Uhr (Quelltext anzeigen)
Oe1kbc (Diskussion | Beiträge)	OE1VCC (Diskussion | Beiträge)
K	K
Markierung: Visuelle Bearbeitung	Markierung: 2017-Quelltext-Bearbeitung

Zeile 1:		Zeile 1:
−	{{DISPLAYTITLE:DMR Archiv Seiten}}	+ __KEIN_INHALTSVERZEICHNIS__
		+ __NOTOC__
		+ __NODISCUSSION__
		+
		+ == DMR Talkgroup-Vernetzungs-Matrix in Österreich ==
−	[[Kategorie:DMR]]	+ Über die Sprechgruppen (TG = TalkGroup) wird die "Reichweite" der Aussendung im Netz 'gesteuert'.
		+ Die Aussendungen der überregionalen Sprechgruppen (TG1, TG2, TG20, TG232) auf Zeitschlitz 1 (TS1) werden entsprechend ihrer "Reichweite" auf alle Umsetzer des jeweiligen Netzes (Motorola - DMR-MARC oder Hyter - DMRplus) geroutet. Die Aussendung auf TG9 wird bei Zeitschlitz 1 nicht weiterverbreitet und ist somit nur am jeweiligen Umsetzer zu hören. In der Vernetzungsmatrix mit "√" gekennzeichnet
		+
		Als Besonderheit sind in Österreich alle DMR-Umsetzer, unabhängig der Marke, auf Zeitschlitz 2 (TS2) miteinander vernetzt und räumlich

	+ durch Reflektoren untergliedert. Aussendungen in einem Reflektor mit TG9 werden auf allen Umsetzern, die in diesen Reflektor eingebucht sind, abgestrahlt.
	+ Der Reflektor des lokalen Umsetzers kann mit Hilfe von "Steuergruppen" geändert werden. Dazu wird kurz die ID des Zielreflektors als Sprechgruppe ("Steuergruppe") auf TS2 ausgesendet. Das erfolgreiche Umschalten wird mit einer Sprachansage 'Verbunden mit Reflektor ....' bestätigt.
	+ Das QSO wird dann auf Sprechgruppe 9 (TG9) geführt.
	+
	+ Mit der "Steuergruppe" TG5000 kann der aktuell verbunde Reflektor des lokalen Umsetzers auf TS2 abgefragt werden.
	+
	+ Die zusammenhängenden Sprechruppen und Reflektoren der Umsetzer in OE sind an Hand der "●" in den jeweiligen Spalten der Vernetzungsmatrix zu erkennen.
	+
==DMR **Archiv**==	+ </noinclude>{| border="0" cellpadding="5" cellspacing="2" style="border: 1px solid {{{Rand|#D5CFCF}}}; background-color: {{{Hintergrund|#DBDADA}}}; border-left: 5px solid {{{RandLinks|#989898}}}; margin-bottom: 0.4em; margin-left: 20px; margin-right: auto; width: {{{Breite|33%}}}"
	+ |-

	+ | stvle="font-size: 95%; text-align: {{{Textausrichtung|left}}}" | '''Beispiel:'''
	+ OE6XAG Schöckl (Ref. 4196)
	+ Senden von "Sprechgruppe" 4198 auf TS2
	+ Ansage: 'Verbunden mit Reflektor Vier - Eins - Neun - Acht'
	+ OE6XAG Schöckl (Ref. 4198)
	+ QSO nun auf TS2/TG9
	+ |}
	+
	+ == Österreich DMR-Umsetzer ==
	+ Vernetzungs-Matrix - Welche Umsetzer sind auf welchem Zeitschlitz (TS) und auf welcher Sprechgruppe (TG) bzw. Reflektor standardmäßig miteinander verbunden.
	+
	+ Letzte Änderung: 29. Okt. 2015
− *[[Archiv/DMR Archiv Open Hytera|Open Hytera]]	+
− *	+
− __KEIN_INHALTSVERZEICHNIS__	+ {| class="wikitable"
− __HIDETITLE__	+ |- style="font-size:11pt"
− __NOTOC__	+ | align="right" width="300" colspan="2" height="37" align="center" valign="bottom" |
__NODISCUSSION__	

−	+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" width="46" colspan="5" align=" center" | DMR-MARC international TS1
	+ | align="right" width="35" valign=" bottom" |
	+ |style="background-color:#C00000; font-weight:bold;color:#FFFFFF" width="46" colspan="4" align=" center" | DMRplus international TS1
	+ | align="right" width="35" valign=" bottom" |
	+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" width="33" colspan="8" align=" center" | DMRplus national TS2 - Standardreflektor
	+ | align="right" width="33" valign=" bottom" |
	+ | align="right" width="14" colspan=" 2" rowspan="4" align="center" valign="bottom" |
	+
	+ |- style="font-size:11pt"
	+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" height="30" | Repeater
	+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="center" valign="bottom" | Typ
	+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="center" | WW
	+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="center" | EUR

```
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="center" | WW<br />ENG
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="center" | D-A-CH
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="center" | AUT
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="center" | OE<br />local
+ |style="background-color:#C00000; font-weight:bold;color:#FFFFFF" align="center" | WW
+ |style="background-color:#C00000; font-weight:bold;color:#FFFFFF" align="center" | EUR
+ |style="background-color:#C00000; font-weight:bold;color:#FFFFFF" align="center" | D-A-CH
+ |style="background-color:#C00000; font-weight:bold;color:#FFFFFF" align="center" | AUT
+ |style="background-color:#C00000; font-weight:bold;color:#FFFFFF" align="center" | OE<br />local
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="center" | OE<br />4180
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="center" | OE0<br />4190
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="center" | OE1<br />4191
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="center" | OE3<br />4193
```

```
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="center" | OE6<br />4196
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="center" | OE7<br />4197
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="center" | OE8<br />4198
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="center" | OE9<br />4199
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="center" | AUT
+
+ |- style="font-size:11pt"
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" height="17" align="right" | Zeitschlitz (TS)
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" |  
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" | 1
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" | 1
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" | 1
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" | 1
```

```
+ |style="background-color:#517CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 1
+ |style="background-color:#517CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 1
+ |style="background-color:#C00000;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 1
+ |style="background-color:#C00000;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 1
+ |style="background-color:#C00000;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 1
+ |style="background-color:#C00000;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 1
+ |style="background-color:#C00000;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 1
+ |style="background-color:#847CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 2
+ |style="background-color:#847CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 2
+ |style="background-color:#847CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 2
+ |style="background-color:#847CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 2
+ |style="background-color:#847CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 2
+ |style="background-color:#847CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 2
```

```
+ |style="background-color:#847CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 2
+ |style="background-color:#847CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" |  
+ |style="background-color:#517CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" | 2
+
+ |- style="font-size:11pt"
+ |style="background-color:#517CFF;
  font-weight:bold;color:#FFFFFF"
  height="17" align="right" valign="
  bottom" | Sprechgruppe (TG)
+ |style="background-color:#517CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" valign="
  bottom" |  
+ |style="background-color:#517CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" valign="
  bottom" | 1
+ |style="background-color:#517CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" valign="
  bottom" | 2
+ |style="background-color:#517CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" valign="
  bottom" | 13
+ |style="background-color:#517CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" valign="
  bottom" | 20
+ |style="background-color:#517CFF;
  font-weight:bold;color:#FFFFFF"
  align="right" align="center" valign="
  bottom" | 232
```

```
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 9
+ |style="background-color:#C00000; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 1
+ |style="background-color:#C00000; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 2
+ |style="background-color:#C00000; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 20
+ |style="background-color:#C00000; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 232
+ |style="background-color:#C00000; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 9
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 9
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 9
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 9
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 9
```

```
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 9
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 9
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 9
+ |style="background-color:#847CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" |  
+ |style="background-color:#517CFF; font-weight:bold;color:#FFFFFF" align="right" align="center" valign="bottom" | 232
+
+ |-
+ |style="background-color:#FFA07A; font-size:11pt;color:#C00000" height="30"  valign="bottom" | OE1XQU<br />Wienerberg
+ |style="background-color:#FFA07A; font-size:11pt;color:#C00000" align="center" | HYT
+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="right" align="center" |  
```

+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#FFA07A; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#FFA07A; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#FFA07A; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#FFA07A; font-size:14pt;color:#C00000" align="center" | √
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |

+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="font-size:14pt;color:#517CFF" align="right" rowspan="35" align="center" |
+ |style="background-color:#FFA07A; font-size:12ptpt;color:#517CFF" align="right" rowspan="2" align="center" | 4180
+
+ |-
+ |style="background-color:#FFA07A; font-size:11pt;color:#517CFF" height="30" valign="bottom" | OE2XSV
Sonnblick
+ |style="background-color:#FFA07A; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="center" | ●

+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#FFA07A; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |

```
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#FFA07A; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#FFA07A; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#90EE90; font-size:11pt;color:#C00000" height="30" | OE8XIK<br />Saurachberg
+ |style="background-color:#90EE90; font-size:11pt;color:#C00000" align="center" | HYT
+ |style="background-color:#90EE90; font-size:11pt;color:#517CFF" align="right" |  
+ |style="background-color:#90EE90; font-size:11pt;color:#517CFF" align="right" |  
+ |style="background-color:#90EE90; font-size:11pt;color:#517CFF" align="right" |  
+ |style="background-color:#90EE90; font-size:11pt;color:#517CFF" align="right" |  
+ |style="background-color:#90EE90; font-size:11pt;color:#517CFF" align="right" |  
+ |style="background-color:#90EE90; font-size:11pt;color:#517CFF" align="right" |  
```

+ |style="background-color:#90EE90; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#90EE90; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#90EE90; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#90EE90; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#90EE90; font-size:16pt;color:#C00000" align="center" | √
+ |style="background-color:#90EE90; font-size:11pt;color:#847CFF" align="right" |
+ |style="background-color:#90EE90; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#90EE90; font-size:11pt;color:#847CFF" align="right" |
+ |style="background-color:#90EE90; font-size:11pt;color:#847CFF" align="right" |
+ |style="background-color:#90EE90; font-size:11pt;color:#847CFF" align="right" |
+ |style="background-color:#90EE90; font-size:11pt;color:#847CFF" align="right" |
+ |style="background-color:#90EE90; font-size:11pt;color:#847CFF" align="right" |
+ |style="background-color:#90EE90; font-size:11pt;color:#847CFF" align="right" |

```
+ |style="background-color:#90EE90; font-size:11pt;color:#517CFF" align="right"  |  
+ |style="background-color:#90EE90; font-size:12pt;color:#517CFF" align="right" align="center" | 4190
+
+ |-
+ |style="background-color:#E2EFDA; font-size:11pt;color:#517CFF" height="30"  valign="bottom" | OE1XAR<br />Bisamberg
+ |style="background-color:#E2EFDA; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |  
```

+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:12pt;color:#517CFF" align="right" rowspan="9" align="center" | 4191

```
+
+ |-
+ |style="background-color:#E2EFDA; font-size:11pt;color:#C00000" height="30"  valign="bottom" | OE1XQU<br />Laaerberg [1]
+ |style="background-color:#E2EFDA; font-size:11pt;color:#C00000" align="center" | HYT
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
```

```
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | √
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+
+ |-
+ |style="background-color:#E2EFDA; font-size:11pt;color:#517CFF" height="30"  valign="bottom" | OE1XQU<br />Wienerberg
+ |style="background-color:#E2EFDA; font-size:11pt;color:#517CFF" align="center" | MOT
```

+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |

```
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#E2EFDA; font-size:11pt;color:#517CFF" height="30"  valign="bottom" | OE3XDB<br />Bad Vöslau/Harzberg
+ |style="background-color:#E2EFDA; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
```

```
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
```

```
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#E2EFDA; font-size:11pt;color:#517CFF" height="30"  valign="bottom" | OE1XQA<br />Exelberg
+ |style="background-color:#E2EFDA; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | √
```

+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |

```
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#E2EFDA; font-size:11pt;color:#C00000" height="30"  valign="bottom" | OE3XTR<br />Hohe Wand
+ |style="background-color:#E2EFDA; font-size:11pt;color:#C00000" align="center" | HYT
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
```

```
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | √
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+
+ |-
+ |style="background-color:#E2EFDA; font-size:11pt;color:#C00000" height="30"  valign="bottom" | OE3XTR<br />HTL St. Pölten
```

+ |style="background-color:#E2EFDA; font-size:11pt;color:#C00000" align="center" | HYT
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | √
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |

```
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+
+ |-
+ |style="background-color:#E2EFDA; font-size:11pt;color:#517CFF" height="30"  valign="bottom" | OE4XUB<br />Brentenriegl
+ |style="background-color:#E2EFDA; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
```

+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |

+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#E2EFDA; font-size:11pt;color:#C00000" height="30" valign="bottom" | OE6XCD
Stuhleck Test ²
+ |style="background-color:#E2EFDA; font-size:11pt;color:#C00000" align="center" | HYT
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |

+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#C00000" align="center" | √
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |

+ |style="background-color:#E2EFDA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E2EFDA; font-size:14pt;color:#517CFF" align="right" align="center" |
+
+ |-
+ |style="background-color:#87CEFA; font-size:11pt;color:#517CFF" height="30" valign="bottom" | OE3XHB
Jauerling
+ |style="background-color:#87CEFA; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |

+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:12pt;color:#517CFF" align="right" rowspan="5" align="center" | 4193

```
+ 
+ |-
+ |style="background-color:#87CEFA; font-size:11pt;color:#517CFF" height="30"  valign="bottom" | OE3XKC<br />Kirchberg/Pielachtal
+ |style="background-color:#87CEFA; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |  
```

```
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#87CEFA; font-size:11pt;color:#517CFF" height="30"  valign="bottom" | OE3XRB<br />Sonntagberg
+ |style="background-color:#87CEFA; font-size:11pt;color:#517CFF" align="center" | MOT
```

+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |

```
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#87CEFA; font-size:11pt;color:#C00000" height="30"  valign="bottom" | OE5XGL<br />Gmunden
+ |style="background-color:#87CEFA; font-size:11pt;color:#C00000" align="center" | HYT
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="right" align="center" |  
```

+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="center" | √
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |

+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="right" align="center" |
+
+ |-
+ |style="background-color:#87CEFA; font-size:11pt;color:#517CFF" height="30" valign="bottom" | OE5XLL
Lichtenberg
+ |style="background-color:#87CEFA; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | √

+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#87CEFA; font-size:14pt;color:#847CFF" align="right" align="center" |

```
+ |style="background-color:#87CEFA; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#9A9600; font-size:11pt;color:#517CFF" height="30"  valign="bottom" | OE6XAG<br />Schöckl
+ |style="background-color:#9A9600; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
```

```
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:12pt;color:#517CFF" align="right" rowspan="5" align="center" | 4196
+
+ |-
```

```
+ |style="background-color:#9A9600; font-size:11pt;color:#517CFF" height="30"  valign="bottom" | OE6XAR<br />Schönbergkopf
+ |style="background-color:#9A9600; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
```

+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#9A9600; font-size:11pt;color:#C00000" height="30" valign="bottom" | OE6XBF
Stradner Kogel
+ |style="background-color:#9A9600; font-size:11pt;color:#C00000" align="center" | HYT
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |

+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="center" | √
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |

+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |
+
+ |-
+ |style="background-color:#9A9600; font-size:11pt;color:#517CFF" height="30" valign="bottom" | OE6XBG
Rennfeld
+ |style="background-color:#9A9600; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●

```
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |  
```

+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#9A9600; font-size:11pt;color:#C00000" height="30" valign="bottom" | OE6XIG
Oberaich
+ |style="background-color:#9A9600; font-size:11pt;color:#C00000" align="center" | HYT
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="center" | ●

+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#C00000" align="center" | √
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#9A9600; font-size:14pt;color:#517CFF" align="right" align="center" |

```
+ 
+ |-
+ |style="background-color:#E0FFFF; font-size:11pt;color:#517CFF" height="30"  valign="bottom" | OE7XBI<br />Rangger Köpfl
+ |style="background-color:#E0FFFF; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |  
```

```
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:12pt;color:#517CFF" align="right" rowspan="3" align="center" | 4197
+
+ |-
```

+ |style="background-color:#E0FFFF; font-size:11pt;color:#517CFF" height="30" valign="bottom" | OE7XTT
Penken
+ |style="background-color:#E0FFFF; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |

```
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#E0FFFF; font-size:11pt;color:#517CFF" height="30"  valign="bottom" | OE7XZH<br />Bruckerberg
+ |style="background-color:#E0FFFF; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
```

+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E0FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |

```
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#E0FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#00FFFF; font-size:11pt;color:#C00000" height="30"  valign="bottom" | OE8XFK<br />Dobratsch
+ |style="background-color:#00FFFF; font-size:11pt;color:#C00000" align="center" | HYT
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |  
```

+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="center" | √
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |

+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:12pt;color:#517CFF" align="right" rowspan="5" align="center" | 4198
+
+ |-
+ |style="background-color:#00FFFF; font-size:11pt;color:#517CFF" height="30" valign="bottom" | OE8XKK
Pyramidenkogel
+ |style="background-color:#00FFFF; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●

+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="center" | ●

```
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#00FFFF; font-size:11pt;color:#C00000" height="30"  valign="bottom" | OE8XLK<br />Koralm
+ |style="background-color:#00FFFF; font-size:11pt;color:#C00000" align="center" | HYT
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |  
```

```
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="center" | √
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="right" align="center" |  
+
+ |-
```

+ |style="background-color:#00FFFF; font-size:11pt;color:#517CFF" height="30" valign="bottom" | OE8XMK
Magdalensberg
+ |style="background-color:#00FFFF; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |

```
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#00FFFF; font-size:11pt;color:#517CFF" height="30"  valign="bottom" | OE8XPK<br />Petzen
+ |style="background-color:#00FFFF; font-size:11pt;color:#517CFF" align="center" | MOT
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
```

+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | √
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#C00000" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |

```
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#00FFFF; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#00FFFF; font-size:14pt;color:#517CFF" align="center" | ●
+
+ |-
+ |style="background-color:#FFE4C4; font-size:11pt;color:#C00000" height="30"  valign="bottom" | OE9LTV<br />Bregenz
+ |style="background-color:#FFE4C4; font-size:11pt;color:#C00000" align="center" | HYT
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
```

+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#C00000" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#C00000" align="center" | √
+ |style="background-color:#FFE4C4; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#847CFF" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#847CFF" align="right" align="center" |

```
+ |style="background-color:#FFE4C4; font-size:14pt;color:#847CFF" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#847CFF" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:12pt;color:#517CFF" align="right" rowspan="5" align="center" | 4199
+
+ |-
+ |style="background-color:#FFE4C4; font-size:11pt;color:#757171" height="30"  valign="bottom" | DB0RV<br />Ravensburg
+ |style="background-color:#FFE4C4; font-size:11pt;color:#757171" align="center" | HYT
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
```

+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | √
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |

```
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right" |  
+
+ |-
+ |style="background-color:#FFE4C4; font-size:11pt;color:#757171" height="30" valign="bottom" | DM0ESS<br />Sonthofen
+ |style="background-color:#FFE4C4; font-size:11pt;color:#757171" align="center" | HYT
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
```

```
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | √
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+
+ |-
```

```
+ |style="background-color:#FFE4C4; font-size:11pt;color:#757171" height="30"  valign="bottom" | DM0KB<br />Konstanz
+ |style="background-color:#FFE4C4; font-size:11pt;color:#757171" align="center" | HYT
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right"  |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | √
```

```
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+
+ |-
+ |style="background-color:#FFE4C4; font-size:11pt;color:#757171" height="31"  valign="bottom" | DM0MGN<br />Mengen
+ |style="background-color:#FFE4C4; font-size:11pt;color:#757171" align="center" | HYT
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
```

+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | √
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |

```
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#757171" align="right" align="center" |  
+ |style="background-color:#FFE4C4; font-size:14pt;color:#8A5C64" align="center" | ●
+ |style="background-color:#FFE4C4; font-size:14pt;color:#517CFF" align="right"  |  
+
+ |}
+
+  '''[1]'''  = '''2m-Umsetzer'''
+  '''[2]'''   = '''Umsetzer noch nicht am Standort'''
+ <br />
+ <br />
+ <br />
+ Sprachencodes nach [http://de.wikipedia.org/wiki/ISO_639#ISO_639-3 ISO 639-3]
+ <br />
+ <br />
+ <br />
```

Aktuelle Version vom 1. September 2023, 08:27 Uhr

DMR Talkgroup-Vernetzungs-Matrix in Österreich

Über die Sprechgruppen (TG = TalkGroup) wird die "Reichweite" der Aussendung im Netz 'gesteuert'.
Die Aussendungen der überregionalen Sprechgruppen (TG1, TG2, TG20, TG232) auf Zeitschlitz 1 (TS1) werden entsprechend ihrer "Reichweite" auf alle Umsetzer des jeweiligen Netzes (Motorola - DMR-MARC oder Hyter - DMRplus) geroutet. Die Aussendung auf TG9 wird bei Zeitschlitz 1 nicht weiterverbreitet und ist somit nur am jeweiligen Umsetzer zu hören. In der Vernetzungsmatrix mit "√" gekennzeichnet

Als Besonderheit sind in Österreich alle DMR-Umsetzer, unabhängig der Marke, auf Zeitschlitz 2 (TS2) miteinander vernetzt und räumlich durch Reflektoren untergliedert. Aussendungen in einem Reflektor mit TG9 werden auf allen Umsetzern, die in diesen Reflektor eingebucht sind, abgestrahlt. Der Reflektor des lokalen Umsetzers kann mit Hilfe von "Steuergruppen" geändert werden. Dazu wird kurz die ID des Zielreflektors als Sprechgruppe ("Steuergruppe") auf TS2 ausgesendet. Das erfolgreiche Umschalten wird mit einer Sprachansage 'Verbunden mit Reflektor ....' bestätigt. Das QSO wird dann auf Sprechgruppe 9 (TG9) geführt.
Mit der "Steuergruppe" TG5000 kann der aktuell verbunde Reflektor des lokalen Umsetzers auf TS2 abgefragt werden.

Die zusammenhängenden Sprechruppen und Reflektoren der Umsetzer in OE sind an Hand der "●" in den jeweiligen Spalten der Vernetzungsmatrix zu erkennen.

Beispiel:

```
OE6XAG Schöckl (Ref.
4196)

  Senden von
"Sprechgruppe" 4198
auf TS2
  Ansage: 'Verbunden
mit Reflektor Vier -
Eins - Neun - Acht'

OE6XAG Schöckl (Ref.
4198)

  QSO nun auf TS2/TG9
```

Österreich DMR-Umsetzer

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

Letzte Änderung: 29. Okt. 2015

		DMR-MARC international TS1						DMRplus international TS1				
Repeater	**Typ**	**WW**	**EUR**	**WW ENG**	**D-A-CH**	**AUT**	**OE local**	**WW**	**EUR**	**D-A-CH**	**AUT**	**OE local**
Zeitschlitz (TS)		**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sprechgruppe (TG)		**1**	**2**	**13**	**20**	**232**	**9**	**1**	**2**	**20**	**232**	**9**
OE1XQU Wienerberg	HYT							●	●	●	●	√
OE2XSV Sonnblick	MOT	●	●	●	●	●	√					
OE8XIK Saurachberg	HYT							●	●	●	●	√
OE1XAR Bisamberg	MOT											
OE1XQU Laaerberg [1]	HYT							●	●	●	●	√
OE1XQU Wienerberg	MOT	●	●	●	●	●	√					
OE3XDB Bad Vöslau /Harzberg	MOT	●	●	●	●	●	√					
OE1XQA Exelberg	MOT	●	●	●	●	●	√					
OE3XTR Hohe Wand	HYT							●	●	●	●	√
OE3XTR HTL St. Pölten	HYT							●	●	●	●	√
OE4XUB Brentenriegl	MOT	●	●	●	●	●	√					
OE6XCD												

Stuhleck Test [2]	HYT							●	●	●	●	√
OE3XHB Jauerling	MOT	●	●	●	●	●	√					
OE3XKC Kirchberg /Pielachtal	MOT	●	●	●	●	●	√					
OE3XRB Sonntagberg	MOT	●	●	●	●	●	√					
OE5XGL Gmunden	HYT							●	●	●	●	√
OE5XLL Lichtenberg	MOT	●	●	●	●	●	√					
OE6XAG Schöckl	MOT	●	●	●	●	●	√					
OE6XAR Schönbergkopf	MOT	●	●	●	●	●	√					
OE6XBF Stradner Kogel	HYT							●	●	●	●	√
OE6XBG Rennfeld	MOT	●	●	●	●	●	√					
OE6XIG Oberaich	HYT							●	●	●	●	√
OE7XBI Rangger Köpfl	MOT	●	●	●	●	●	√					
OE7XTT Penken	MOT	●	●	●	●	●	√					
OE7XZH Bruckerberg	MOT	●	●	●	●	●	√					
OE8XFK Dobratsch	HYT											√
OE8XKK Pyramidenkogel	MOT	●	●	●	●	●	√					
OE8XLK Koralm	HYT											√
OE8XMK Magdalensberg	MOT	●	●	●	●	●	√					
OE8XPK Petzen	MOT	●	●	●	●	●	√					
OE9LTV Bregenz	HYT							●	●	●	●	√
DB0RV												

Ravensburg	HYT							●	●	●		√
DM0ESS Sonthofen	HYT							●	●	●		√
DM0KB Konstanz	HYT							●	●	●		√
DM0MGN Mengen	HYT							●	●	●		√

[1] = 2m-Umsetzer [2] = Umsetzer noch nicht am Standort

Sprachencodes nach ISO 639-3

Archiv und Archiv/DMR Archiv MOTOTRBO Datenservice: Unterschied zwischen den Seiten

VisuellWikitext

Version vom 11. November 2021, 02:34 Uhr (Quelltext anzeigen) Oe1kbc (Diskussion | Beiträge) K Markierung: Visuelle Bearbeitung	Aktuelle Version vom 11. November 2021, 02:49 Uhr (Quelltext anzeigen) Oe1kbc (Diskussion | Beiträge) Markierung: 2017-Quelltext-Bearbeitung
Zeile 1:	**Zeile 1:**
− **{{DISPLAYTITLE**:DMR **Archiv Seiten}}**	+ **[[DAS DATENSERVICE IST DURCH DEN NETZUMBAU IN OE DERZEIT NICHT IN BETRIEB]]**
	+ ** **
	+ ** **
	+ **== Datenservice: ==**
	+ **=== Allgemeines ===**
	+ **Das DMR Protokoll der MOTOTRBO Geräte kann zusätzlich zur Sprache auch Daten übertragen. Die einfachste Form sind SMS artige Kurzmeldungen von MOTOTRBO Endgerät zu Endgerät. Das Ziel der MOTOTRBO Service-Module ist es auch zusätzliche Kommunikationswege zu eröffnen. So ist es möglich Meldungen zwischen der APRS Wolke und den MOTOTRBO Geräten „vice versa“ auszutauschen. Die in manchen MOTOTRBO Geräten vorhandene GPS Funktion kann ebenfalls via MOTOTRBO Service in die APRS Wolke weiter gegeben werden. Auch eine „Store and Forward“ Funktionalität wie man diese aus der Handy SMS Abwicklung kennt ist Ziel der MOTOTRBO Service-Module.**
[[Kategorie:DMR]]	

−	+ **=== Vorbereiten der MOTOTRBO Endgeräte für den Betrieb mit dem MOTOTRBO Service ===**
	+
	+ **Damit man am MOTOTRBO Service teilnehmen kann, sind einige im MOTOTRBO CPS Codeplug-Programm notwendig. Um die Anleitung 1:1 umsetzen zu können sollten Sie die Programmsprache auf Deutsch festlegen. Sie erreichen die Spracheinstellung im Menü „Bearbeiten“ oder im Untermenü „Bevorzugte Einstellungen“. Bzw. wenn Ihr Programm auf „Englisch“ gestellt ist unter „Edit“ und „Preferences“.**
	+ **Wenn Sie die Spracheinstellung ändern müssen Sie nach dem Einstellen der Sprache im MOTOTRBO CPS das Codeplug-Programm neu starten.**
− **==DMR Archiv==**	+ **</noinclude>{| border="0" cellpadding="5" cellspacing="2" style ="border: 1px solid {{{Rand|#FFA4A4}}}; background-color: {{{Hintergrund|#FFF3F3}}}; border-left: 5px solid {{{RandLinks|#FF6666}}}; margin-bottom: 0.4em; margin-left: 20px; margin-right: auto; width: {{{Breite|50%}}}"**
	+ **|-**
	+ **| style="font-size: 95%; text-align: {{{Textausrichtung|left}}}" | '''Hinweis:'''**
	+ **Um alle Funktionen programmieren zu können muss das MOTOTRBO CPS Programm in den Expertenmodus gestellt werden.**
	+ **|}**

– *[[**Archiv/DMR Archiv Open Hytera|Open Hytera**]]	+ **=== MOTOTRBO Service Funktionen ===**
– *	+
– **__KEIN_INHALTSVERZEICHNIS__**	+ *** Rufzeichen registrieren**
– **__HIDETITLE__**	+ **REG <Rufzeichen>**
– **__NOTOC__**	+ *** Rufzeichen abmelden**
– **__NODISCUSSION__**	+ **REG**
	+ *** Meldung an APRS Geräte senden**
	+ **APRS <Rufzeichen> <Meldung>**
	+ **Kurzform:**
	+ **A <Rufzeichen> <Meldung>**
	+ *** Meldung an MOTOTRBO Geräte senden**
	+ **TRBO <Rufzeichen> <Meldung>**
	+ **Kurzform:**
	+ **T <Rufzeichen> <Meldung>**
	+ *** Meldungen abfragen**
	+ **? (nur ein Fragezeichen senden)**
	+ *** Eigene Meldung vom Server löschen**
	+ **DELQ**
	+ *** GPS einschalten**
	+ **gpson <sec>**
	+ * **GPS ausschalten**
	+ **gpsoff**
	+
	+ **=== Hinweise zum Betrieb ===**
	+

+ Das MOTOTRBO Service wird am Standort Bisamberg OE1XAR betrieben. Diese Service steht nur am Zeitschlitz 2 zur Verfügung. Natürlich können auch am Wienerberg und am Harzberg am Zeitschlitz 2 diese Befehle abgesetzt werden.
+ Bitte verwenden Sie das senden von APRS Positionen nur zum Testzwecken bzw. wenn Sie keine alternative Möglichkeit zur Absetzung von APRS Position haben. Da System hat keinen „SmartBeaconing“ Modus und sendet daher in fixen Abständen. Die Senderkette ist daher immer wieder geöffnet.
+
+ Sollten Sie Fragen zum System oder Meldungen zum Betrieb haben so bitte per Email an: [mailto: oe1kbc@chello.at oe1kbc@chello.at]
+
+ === Anleitung zum MOTOTRBO Datenservice ===
+
+ Anleitung: [[Media:MOTOTRBOService.pdf|MOTOTRBO Datenservice]]
+
+
+ Rufzeichenliste
+ == Rufzeichen ==
+ Registrierte Rufzeichen zur Teilnahme am internationalem MOTOTRBO Netz werden von Robert OE3OLU [mailto:oe3olu@amrs.at

oe3olu@amrs.at] verwaltet. Robert trägt diese Daten auch zusätzlich in der Internationalen Datenbank (dmr-marc.net) ein, damit jeder in OE registrierte Funkamateur weltweit mit seiner ID erkannt wird.

+

+ Hier findet Ihr die Liste mit dem aktuellen Stand der Registrierung.

+ Als CSV Datei damit sollte es zu diversen Office Programmen kompatibel sein.

+

+ Stand aktuell:

+

+ Datei als CSV vom Server laden: [[Motorbo-Rufzeichenliste-Download]]

+

+ Datei als PDF vom Server laden: [[Mototrbo-Rufzeichenliste-Download-PDF]]

+

+

+ </noinclude>{| border="0" cellpadding="5" cellspacing="2" style="border: 1px solid {{{Rand|#FFA4A4}}}; background-color: {{{Hintergrund|#FFF3F3}}}; border-left: 5px solid {{{RandLinks|#FF6666}}}; margin-bottom: 0.4em; margin-left: 20px; margin-right: auto; width: {{{Breite|50%}}}"

+ |-

+ | style="font-size: 95%; text-align: {{{Textausrichtung|left}}}" | '''Info:'''

+ Rufzeichen können direkt über das Funkgeräte Menü in ein MotoTrbo Gerät eingegeben
werden oder per Codeplug-Programmierung festgehalten werden.
Es besteht auch die Möglichkeit Kontaktlisten per "cut and paste" von einer
CPL Datei in eine andere zu kopieren.
+
+ '''ACHTUNG:''' Kopieren bzw. verändern Sie keine bereits bestehenden Gruppen Einträge in CPS Dateien es werden sonst die Zuordnungen zu den Kanälen zerstört.
+ |}
+

Aktuelle Version vom 11. November 2021, 02:49 Uhr

DAS DATENSERVICE IST DURCH DEN NETZUMBAU IN OE DERZEIT NICHT IN BETRIEB

Inhaltsverzeichnis

1 Datenservice: 87
1.1 Allgemeines 87
1.2 Vorbereiten der MOTOTRBO Endgeräte für den Betrieb mit dem MOTOTRBO Service 87
1.3 MOTOTRBO Service Funktionen 87
1.4 Hinweise zum Betrieb 88
1.5 Anleitung zum MOTOTRBO Datenservice 88
2 Rufzeichen 89

Datenservice:

Allgemeines

Das DMR Protokoll der MOTOTRBO Geräte kann zusätzlich zur Sprache auch Daten übertragen. Die einfachste Form sind SMS artige Kurzmeldungen von MOTOTRBO Endgerät zu Endgerät. Das Ziel der MOTOTRBO Service-Module ist es auch zusätzliche Kommunikationswege zu eröffnen. So ist es möglich Meldungen zwischen der APRS Wolke und den MOTOTRBO Geräten „vice versa“ auszutauschen. Die in manchen MOTOTRBO Geräten vorhandene GPS Funktion kann ebenfalls via MOTOTRBO Service in die APRS Wolke weiter gegeben werden. Auch eine „Store and Forward “ Funktionalität wie man diese aus der Handy SMS Abwicklung kennt ist Ziel der MOTOTRBO Service-Module.

Vorbereiten der MOTOTRBO Endgeräte für den Betrieb mit dem MOTOTRBO Service

Damit man am MOTOTRBO Service teilnehmen kann, sind einige im MOTOTRBO CPS Codeplug-Programm notwendig. Um die Anleitung 1:1 umsetzen zu können sollten Sie die Programmsprache auf Deutsch festlegen. Sie erreichen die Spracheinstellung im Menü „Bearbeiten“ oder im Untermenü „Bevorzugte Einstellungen“. Bzw. wenn Ihr Programm auf „Englisch“ gestellt ist unter „Edit“ und „Preferences“. Wenn Sie die Spracheinstellung ändern müssen Sie nach dem Einstellen der Sprache im MOTOTRBO CPS das Codeplug-Programm neu starten.

Hinweis:

```
Um alle Funktionen programmieren zu
können muss das MOTOTRBO CPS
Programm in den Expertenmodus
gestellt werden.
```

MOTOTRBO Service Funktionen

- Rufzeichen registrieren

```
REG <Rufzeichen>
```

- Rufzeichen abmelden

```
REG
```

- Meldung an APRS Geräte senden

```
APRS <Rufzeichen> <Meldung>
Kurzform:
A <Rufzeichen> <Meldung>
```

- Meldung an MOTOTRBO Geräte senden

```
TRBO <Rufzeichen> <Meldung>
Kurzform:
T <Rufzeichen> <Meldung>
```

- Meldungen abfragen

```
? (nur ein Fragezeichen senden)
```

- Eigene Meldung vom Server löschen

```
DELQ
```

- GPS einschalten

```
gpson <sec>
```

- GPS ausschalten

```
gpsoff
```

Hinweise zum Betrieb

Das MOTOTRBO Service wird am Standort Bisamberg OE1XAR betrieben. Diese Service steht nur am Zeitschlitz 2 zur Verfügung. Natürlich können auch am Wienerberg und am Harzberg am Zeitschlitz 2 diese Befehle abgesetzt werden. Bitte verwenden Sie das senden von APRS Positionen nur zum Testzwecken bzw. wenn Sie keine alternative Möglichkeit zur Absetzung von APRS Position haben. Da System hat keinen „SmartBeaconing“ Modus und sendet daher in fixen Abständen. Die Senderkette ist daher immer wieder geöffnet.

Sollten Sie Fragen zum System oder Meldungen zum Betrieb haben so bitte per Email an: oe1kbc@chello.at

Anleitung zum MOTOTRBO Datenservice

Anleitung: MOTOTRBO Datenservice

Rufzeichenliste

Rufzeichen

Registrierte Rufzeichen zur Teilnahme am internationalem MOTOTRBO Netz werden von Robert OE3OLU oe3olu@amrs.at verwaltet. Robert trägt diese Daten auch zusätzlich in der Internationalen Datenbank (dmr-marc.net) ein, damit jeder in OE registrierte Funkamateur weltweit mit seiner ID erkannt wird.

Hier findet Ihr die Liste mit dem aktuellen Stand der Registrierung.
Als CSV Datei damit sollte es zu diversen Office Programmen kompatibel sein.

Stand aktuell:

Datei als CSV vom Server laden: Mototrbo-Rufzeichenliste-Download

Datei als PDF vom Server laden: Mototrbo-Rufzeichenliste-Download-PDF

Info:

```
Rufzeichen können direkt über das
Funkgeräte Menü in ein MotoTrbo
Gerät eingegeben
werden oder per Codeplug-
Programmierung festgehalten werden.
Es besteht auch die Möglichkeit
Kontaktlisten per "cut and paste"
von einer
CPL Datei in eine andere zu kopieren.
```

ACHTUNG: Kopieren bzw. verändern Sie keine bereits bestehenden Gruppen Einträge in CPS Dateien es werden sonst die Zuordnungen zu den Kanälen zerstört.

Archiv und Archiv/DMR Archiv Open Hytera: Unterschied zwischen den Seiten

VisuellWikitext

Version vom 11. November 2021, 02:34 Uhr (Quelltext anzeigen) Oe1kbc (Diskussion | Beiträge) K Markierung: Visuelle Bearbeitung	Aktuelle Version vom 11. November 2021, 01:54 Uhr (Quelltext anzeigen) Oe1kbc (Diskussion | Beiträge) (Die Seite wurde neu angelegt: „350px|thumb |HYTERA RD985 350px|thumb|HYTERA RD985 Datei:Englisch.jpg For english version on this project…“) Markierung: 2017-Quelltext-Bearbeitung
Zeile 1:	**Zeile 1:**
− **{{DISPLAYTITLE:DMR Archiv Seiten}}**	+ **[[Bild:RD985 FRONT. jpg|350px|thumb|HYTERA RD985]]**
	+ **[[Bild:RD985 BACK. jpg|350px|thumb|HYTERA RD985]]**
− [[**Kategorie:DMR**]]	+ [[**Datei:Englisch.jpg]] For english version on this project [[OPEN-HYTERA-ENGLISH | click here**]]
− **==DMR Archiv==**	+ **==Projektziele:==**
− 	+ *** Offenen Zugänge für Standorte schaffen**
	+ *** Analog- und Digitaltechnik im Mix-Mode ermöglichen**
	+ *** Nutzung der der amateureigenen HAMNET Strukturen**
	+ *** Offene Protokoll-Plattform für neue Entwicklungen**
	+ *** Offene Netz-Strukturen mit geringen Vorgaben SYSOPs können frei testen** **Alle Information offen dokumentiert**
− ***[[Archiv/DMR Archiv Open Hytera|Open Hytera]]**	+ **==Projektgrundsätze:==**

– *	+ * **Verbindungsfunktionen für Amateure angepasst**
– **__KEIN_INHALTSVERZEICHNIS__**	+ * **Netzwerksoftware von Amateuren umgesetzt**
– **__HIDETITLE__**	+ * **Lokale Nutzung der Umsetzer mit Netzwerkverbund anbieten**
– **__NOTOC__**	+ * **MIX-Mode anbieten (DMR/FM)**
– **__NODISCUSSION__**	+ * **Strukturen zu bestehenden DMR Netzen beibehalten**
	+
	+ **[[Bild:OPEN HYTERA OE.jpg|500px|OPEN HYTERA OE]]**

Aktuelle Version vom 11. November 2021, 01:54 Uhr

For english version on this project click here



HYTERA RD985



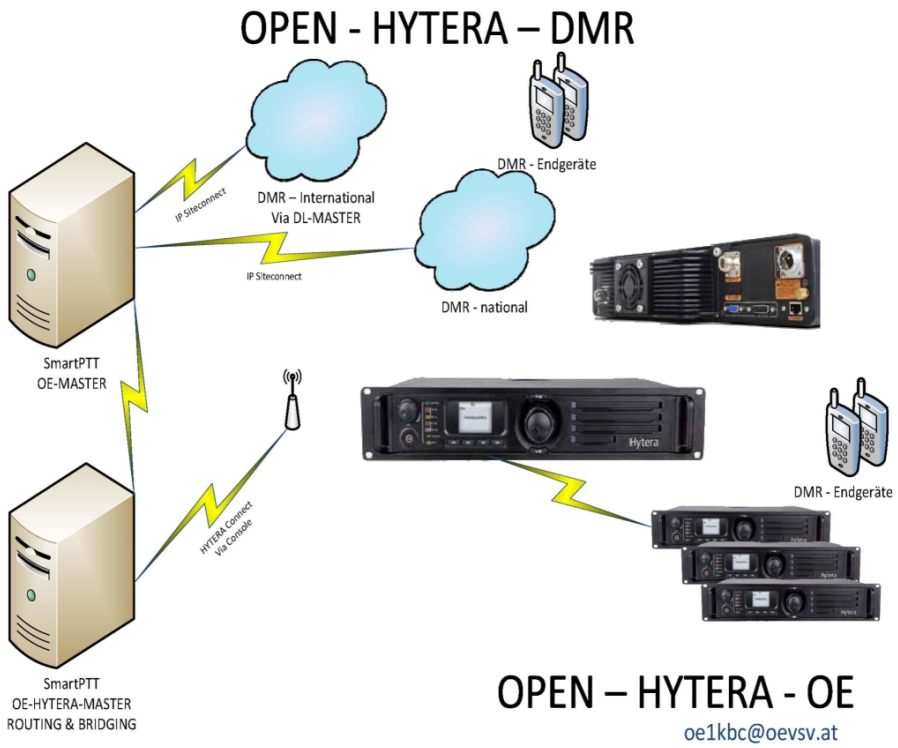
HYTERA RD985

Projektziele\:

- Offenen Zugänge für Standorte schaffen
- Analog- und Digitaltechnik im Mix-Mode ermöglichen
- Nutzung der der amateureigenen HAMNET Strukturen
- Offene Protokoll-Plattform für neue Entwicklungen
- Offene Netz-Strukturen mit geringen Vorgaben
  SYSOPs können frei testen
  Alle Information offen dokumentiert

Projektgrundsätze:

- Verbindungsfunktionen für Amateure angepasst
- Netzwerksoftware von Amateuren umgesetzt
- Lokale Nutzung der Umsetzer mit Netzwerkverbund anbieten
- MIX-Mode anbieten (DMR/FM)
- Strukturen zu bestehenden DMR Netzen beibehalten


OPEN - HYTERA – DMR
DMR - Endgeräte
DMR – International
Via DL-MASTER
IP Siteconnect
IP Siteconnect
DMR - national
SmartPTT
OE-MASTER
Hytera
DMR - Endgeräte
HYTERA Connect
Via Console
SmartPTT
OE-HYTERA-MASTER
ROUTING & BRIDGING
OPEN – HYTERA - OE
oe1kbc@oevsv.at