

Passenger survey

Data capture by scanning



QualitySoft

- Scanning
- Verification
- Export

Fahrt-Nr.: <input type="text" value="10136"/>		Zähler-Nr.: <input type="text" value="0298"/>																																																																																																																																																																																																																																																								
<table border="1"> <tr><th>Hst</th><th>Name</th><th>Ein</th><th>If-Nr</th></tr> <tr><td>1 Ek-Erw</td><td>6160 Nannhofen</td><td>0</td><td>1</td></tr> <tr><td>2 Ek-Ki</td><td>6150 Malching</td><td>0</td><td>2</td></tr> <tr><td>3 Str-Erw</td><td>6140 Maisach</td><td>1</td><td>3</td></tr> <tr><td>4 Str-Ki</td><td>6130 Gernlinden</td><td>1</td><td>4</td></tr> <tr><td>5 UZ1-K</td><td>6120 Esting</td><td>2</td><td>5</td></tr> <tr><td>6 Kurz-Erw</td><td>6110 Olching</td><td>2</td><td>6</td></tr> <tr><td>7 Kurz-Ki</td><td>6100 Gröbenzell</td><td>0</td><td>7</td></tr> <tr><td>10 Pa-Tk</td><td>1810 Lochhausen</td><td>1</td><td>8</td></tr> <tr><td>GVA/A</td><td>1800 Langwied</td><td>1</td><td>9</td></tr> <tr><td>M</td><td>0010 Pasing</td><td>4</td><td>10</td></tr> <tr><td>11 Si-Tk</td><td>0009 Laim</td><td>5</td><td>11</td></tr> <tr><td>GVA/A</td><td>0008 Donnersbergerbrücke</td><td>0</td><td>12</td></tr> <tr><td>12 Kl-Tk</td><td>0007 Hackerbrücke</td><td>0</td><td>13</td></tr> <tr><td>GVA/A</td><td>0006 Hauptbahnhof</td><td>3</td><td>14</td></tr> <tr><td>13 Fahr-Tk</td><td>0001 Karlsplatz (Stachus)</td><td>1</td><td>15</td></tr> <tr><td>M</td><td>0002 Marienplatz</td><td>2</td><td>16</td></tr> <tr><td>14 3-Tk-Pa</td><td>0003 Isartor</td><td>0</td><td>17</td></tr> <tr><td>M</td><td>0004 Rosenheimer Platz</td><td>1</td><td>18</td></tr> <tr><td>15 3-Tk-Si</td><td>0005 Ostbahnhof</td><td>4</td><td>19</td></tr> <tr><td>30 Sen-K</td><td>0900 Leuchtenberg</td><td>0</td><td>20</td></tr> <tr><td>GVA</td><td>0700 Dagfing</td><td>0</td><td>21</td></tr> <tr><td>u/p</td><td>0710 Engelschalking</td><td>0</td><td>22</td></tr> <tr><td>40-41 Gr-K</td><td>0720 Johanneskirchen</td><td>0</td><td>23</td></tr> <tr><td>GVA</td><td>2030 Unterföhring</td><td>0</td><td>24</td></tr> <tr><td>42 Gr-Jk-A1</td><td>2040 Ismaning</td><td>0</td><td>25</td></tr> <tr><td>GVA</td><td>2850 Hallbergmoos</td><td>1</td><td>26</td></tr> <tr><td>50 A-A1</td><td>2860 Flughafen Besucherpark</td><td>0</td><td>27</td></tr> <tr><td>MoVo</td><td>3240 Flughafen München</td><td>0</td><td>28</td></tr> <tr><td>51 A-A2</td><td></td><td></td><td>29</td></tr> <tr><td>MoVo</td><td></td><td></td><td>30</td></tr> <tr><td>60 IC</td><td></td><td></td><td>31</td></tr> <tr><td>MoVo</td><td></td><td></td><td>32</td></tr> <tr><td>M</td><td></td><td></td><td>33</td></tr> <tr><td>81 IC-Abo</td><td></td><td></td><td>34</td></tr> <tr><td>u/p</td><td></td><td></td><td>35</td></tr> <tr><td>70 Job-T</td><td></td><td></td><td>36</td></tr> <tr><td>GVA</td><td></td><td></td><td>37</td></tr> <tr><td>80 F-MVV</td><td></td><td></td><td>38</td></tr> <tr><td>81 F-Po</td><td></td><td></td><td>39</td></tr> <tr><td>82 F-P41</td><td></td><td></td><td>40</td></tr> <tr><td>M</td><td></td><td></td><td>41</td></tr> <tr><td>83 F-FMG</td><td></td><td></td><td>42</td></tr> <tr><td>88 Schw</td><td></td><td></td><td>43</td></tr> <tr><td>M</td><td></td><td></td><td>44</td></tr> <tr><td>89 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Th-ED				So				M				Name: <input type="text" value="KATRIN DANDL"/> Datum: <input type="text" value="06.11.00"/> Uhrzeit: <input type="text" value="05:15"/> Dienst-Nr.: <input type="text" value="9"/> Kurzzug <input type="radio"/> Vollzug <input checked="" type="radio"/> Langzug <input type="radio"/> Türe <input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 S-Bahn (Et420) <input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9 S-Bahn (Et423-NEU) <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9 <input type="radio"/> 10 <input type="radio"/> 11 U-Bahn <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 Tram/Gelenkbus <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 Niederflurtram <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 Bemerkungen: <div style="border: 1px solid black; padding: 5px; text-align: center;"> Passenger entry list MVV GmbH </div> <input type="radio"/> Kein Fahrgast befragt Unterschrift: <input type="text" value="Katrin Dandl"/> MVVBereich Verkehrsforschung Typ 1 260900
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Zähler-Nr. <input type="text" value="0009"/>	Fahrt-Nr. <input type="text" value="10003"/>
Ungültiger Beleg <input type="radio"/>	Ungültiger Beleg <input type="radio"/>
Vorlauf. <input type="text" value="HARTHAUS"/>	Vorlauf. <input type="text" value="BACHENAU"/>
Linie: <input type="text" value="55"/>	Linie: <input type="text" value="54"/>
Ein <input type="text" value="10"/> Aus <input type="text" value="24"/>	Ein <input type="text" value="11"/> Aus <input type="text" value="16"/>
Nachlauf. <input type="text"/>	Nachlauf. <input type="text" value="PARTNACHPLAT"/>
Linie: <input type="text"/>	Linie: <input type="text" value="21006"/>

Fahrschein <input type="text" value="60"/>	Anzahl Mitfahrer: <input type="text"/>	Fahrschein <input type="text" value="30"/>	Anzahl Mitfahrer: <input type="text"/>
Gesamtraum <input type="radio"/>	Woche <input type="radio"/>	Gesamtraum <input checked="" type="radio"/>	Woche <input type="radio"/>
Innenraum <input type="radio"/>	Monat <input checked="" type="radio"/>	Innenraum <input type="radio"/>	Monat <input type="radio"/>
Außenraum <input type="radio"/>	Jahr <input type="radio"/>	Außenraum <input type="radio"/>	Jahr <input type="radio"/>
übertragbar <input type="radio"/>	Sonst. <input type="radio"/>	übertragbar <input checked="" type="radio"/>	Sonst. <input type="radio"/>
Benutzungshäufigkeit. Heute <input type="text" value="2"/> Werktag <input type="text" value="5"/> Samstag <input type="text" value="0"/> Sonntag <input type="text" value="0"/>	Benutzungshäufigkeit. Heute <input type="text" value="2"/> Werktag <input type="text" value="5"/> Samstag <input type="text" value="2"/> Sonntag <input type="text" value="2"/>		
Fahrtzweck <input type="text" value="1"/>	Fahrtzweck <input type="text" value="1"/>		

1= Arbeit 2= Schule/Ausbildung 3= Einkauf 4= Freizeit 5= Dienstreise 6= Arztbesuche 7= Begleiten/Abholen 8= Sonstiges 9= Keine Angaben

Zusätzliche Befragte mit identischen Angaben:

Zusätzliche Befragte mit identischen Angaben:

MVV/Bereich Verkehrsforschung 000109 *



Münchner Verkehrs- und Tarifverbund

Questionnaire
MVV GmbH

... using QS-Beleg

QS QualitySoft GmbH - Zum Fuerstenmoor 11 - D-21079 Hamburg

Tel.: (+49) 40 790 100 40 - http://www.qualitysoft.de

Project



■ Customer

The Munich Transportation and Tariff Association (MVV) has long established itself as an international highly regarded traffic authority in the public transport sector. Together with passengers, the MVV's aim is to offer a modern, attractive and economical public transport.

■ Task

The MVV regularly conducts surveys to fulfil this aim. The MVV interviews its passengers about the route, reason for the trip and type of ticket. Two different forms ("Passenger entry list" and "Questionnaire") are used to collect information on the number of passengers embarking and disembarking and passenger answers. The forms are then scanned and verified using the **QS-Beleg** onScreen Correction.

■ Form Design

The form "Passenger entry list" is a MS Excel table designed by MVV. It is filled dynamically with bus or underground lines data, such as the names and codes of the stations. This form is printed by the MVV. The questionnaire is a black and white pre-printed form.

■ Adaptation of **QS-Beleg**

We created two recognition masks using the **QS-Beleg** Editor adapted to the data on the form. The onScreen correction was adapted to the form design and several different automatic verifications and entry-tools were specially programmed to help make the verification of the scanned data as fast as possible.

■ Verification

The verification and correction is done on two forms. During the correction the data is displayed together with the corresponding section of the form (onScreen correction). The fields are color-coded according to their automatic verification status. At one glance you can see whether the data is correct. Erroneous data is marked red to quickly draw your attention to the fields. An accelerator key helps to jump directly to the next error.

■ Export

All checked and corrected data contained in both forms is exported. The image files corresponding with exported data are copied to an archive.



... using **QS-Beleg**

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