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transforming ideas into results



QAD Applications on Tablet & Mobile

● Agenda

- Preparations in QAD
 - Parameters
 - Setup „Channels“
 - Setup „Display Styles“ for Browsers
 - Run Geo-Coding for Suppliers and Customers
 - Confirm „Mobile Knocks“ from devices and users
- On Mobile / Tablet
 - Use Browsers and Favorites
 - „Channels“ to control QAD Maint. screens
 - Location based services



QAD Applications on Tablet & Mobile

● Design Goals (1)

- No data on mobile device
- Re-use existent QAD functions (Browse definitions)
- Connect to any QAD DB that uses domains (eB2.1 upward)
- Simplicity, minimalistic
- Enable Barcode scans
- Add location data (lat./long.) to any transaction in QAD
- Introduce smart functions basing on geo-data



QAD Applications on Tablet & Mobile

● Solution

- All written in Progress
- No QAD source code needed
- No additional database tables, new records reside in usrw_wkfl
- No need to program something, works „out of the package“
- Architecture is very open, easy to extent



QAD Applications on Tablet & Mobile

- Parameter Mobile / Tablet

#Parameter Mobile / Tablet X

Go To Actions Copy Print Preview

RAP-MOBILE-CTRL

Value	Comments
BrowseCode	mg003
BrowseColColor	070,130,180
BrowseColFont	SYSTEM,B,M
BrowseConfirmAfter	2000
BrowseLinesMax	1000
BrowseNumOfCols	7
BrowseNumOfRows	2
BrowseQueryMax	20000
BrowseStyle	standard
ChannelCode	xm003
ClientTimeout	100
EditorMaxBytes	32000
FavoriteCode	xm011
PictureFileName	#pt_part#-#time#.jpg
PicturePath	/opt/tmp/mobile/pictures
printer	tablet

Back Next

- Initial or fallback values



QAD Applications on Tablet & Mobile

- **Geocoding of Customers and Suppliers**

#GeoCoding for Customers X

Go To ▾ Actions ▾ Copy ▾ Print Preview Attach ▾

Sold-To:

To:

Name:

To:

State:

Output:
Batch ID:

#GeoCoding for Suppliers X

Go To ▾ Actions ▾ Copy ▾ Print Preview Attach ▾

Supplier:

To:

Name:

To:

State:

Output:
Batch ID:



QAD Applications on Tablet & Mobile

- Geocoding Results (in QAD)

#Customer GeoCode Browse

Actions Setup Cancel Add to Favorites

Search

Customer starts at Search Clear All

Viewing 1 - 100 of 5887 Records per page: 100

Customer	LATITUDE	LONGITUDE	Sort Name	Address	Address	Address	Telephone	Language	Postal Code	City	State	Country Code	Country
05029280	051.4441710	007.0341740	E.ON Ruhrgas	Abt. KER	Geb. A, Raum 1629	Hultropstrasse 60	02011843516	ge	45138	Essen	de	GERMANY	
05029501	023.7598150	090.3913172	Rangs Pharmaceutical Ltd.	Ltd. Rangs Bhawan	113-116 Old Airport Road	Teigaon		US	1215	Dhaka	BD	BANGLADESH	
05029502	050.8319846	006.0840986	HiTec Zang GmbH			Ebertstrasse 30-32	024079101013	GE	52134	Herzogenrath	DE	GERMANY	
05029530	049.2082207	008.1345533	Deutsche BP AG			Fassendeichstrasse 3	06341981500	ge	76829	Landau	de	GERMANY	
05029533	052.0921700	013.1924800	Märkische Oberflächenanlagen	& Behälterbau GmbH		Gottower Strasse 37	0337164340	GE	14943	Luckenwalde	de	GERMANY	
05029535	053.5095937	009.9826556	Merkel Freudenberg	Fluidtechnik GmbH	Finanzbuchhaltung	Industriestraße 64	040753060	GE	21107	Hamburg	DE	GERMANY	
05029537	049.4068257	008.1923222	Weinlabor Klaus Briegel			Schlosswiese 6	06326980400	GE	67146	Deidesheim	DE	GERMANY	

#Google Maps

+Ich Suche Bilder Maps Play YouTube News Gmail Mehr

Google 050.8319846,006.0840986

Route berechnen Meine Orte

Ebertstraße 30-32
52134 Herzogenrath 0,1 m N

Routenplaner In der Nähe suchen Mehr

Maps Labs - Hilfe
Google Maps - © 2014 Google - Nutzungsbedingungen - Datenschutz

- Defining „Browse Styles“

#Browse Style Maint. X

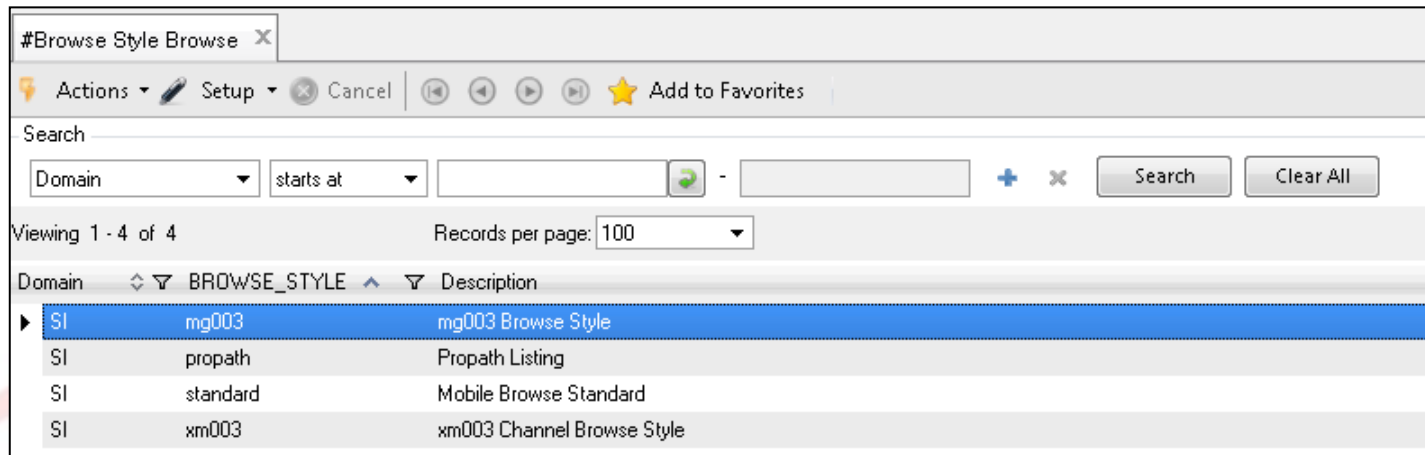
Go To Actions Copy Print Preview

Style: mg003
Description: mg003 Browse Style

Feldname	Typ	Wert
BrowseCol01Color	cha	0,104,139
BrowseCol01font	cha	SYSTEM,B,L
BrowseCol02Color	cha	0,0,0
BrowseCol02font	cha	SYSTEM,B,L
BrowseCol03Color	cha	0,0,0
BrowseCol03font	cha	SYSTEM,B,L
BrowseCol04Color	cha	0,104,139
BrowseCol04font	cha	SYSTEM,B,L
NumOfCols	int	3
NumOfRows	int	1

- Color, Font, Dimensions (rows, columns)

- Browsing „Browse Styles“



#Browse Style Browse

Actions Setup Cancel Add to Favorites

Search

Domain starts at - Search Clear All

Viewing 1 - 4 of 4 Records per page: 100

Domain	BROWSE_STYLE	Description
SI	mg003	mg003 Browse Style
SI	propath	Propath Listing
SI	standard	Mobile Browse Standard
SI	xm003	xm003 Channel Browse Style

- Defining „Channels“ (1): Pick a program to feed...

Transfer - Single Item

Go To
Actions
Copy
Print
Preview
Attach

01 Item: 1006697
Description: HEIZB. MAG-RUEHR ECM6 TZ
Unit of Measure: ST

02 Quantity: 1.0
Effective Date: 03.04.2014
Work Order:
Sales/Job:
Remarks:

03 From Site: 1
04 Location: F3L04
Lot/Serial:
Reference:
Status: STD
Import/Export:

05 To Site: 1
06 Location: AL2
Lot/Serial:
Reference:
Inventory Status:

- Choose fields the mobile device must fill with values

- Defining „Channels“ (2): describe control sequence

#ChannelMaint. x

Go To Actions Copy Print Preview

Program to run: iclotr02.p
Description: Transfer - Single Item

Feldname	Typ	Wert
fill-in01	cha	ITEM,part_part
fill-in02	cha	QUANTITY_TO_TRANSFER,lotserial_qty
fill-in03	cha	FROM_SITE,site_from,1
fill-in04	cha	FROM_LOCATION,loc_from
fill-in05	cha	TO_SITE,site_to,TOS
fill-in06	cha	TO_LOCATION,loc_to
seq01	cha	#01#
seq02	cha	#02# #today# - - "TabletPC"
seq03	cha	#03# #04# - -
seq04	cha	#05# #06#
seq05	cha	y
seq06	cha	.

- Input fields need: label terms, names and standard values



QAD Applications on Tablet & Mobile

- Defining „Channels“ (3)
 - Label term, input field name: obtained from QAD („CTRL-F“)
 - Standard values: constants
 - Standard values: variables with values calculated from device location:
 - cust_addr, cust_name, cust_line1, cust_line2, cust_line3, cust_zip, cust_city, cust_ctry (if selected location is customer)
 - Same for: vend_ (if selected location is supplier/vendor)
 - Same for: current_ (if selected location is current location)



QAD Applications on Tablet & Mobile

- Defining „Channels“ (4): Result on target device

A tablet screen displaying the 'QAD App Channel' interface. The title bar at the top reads 'QAD App Channel | Domain SI | iclotr02.p | Transfer -Single Item' and includes a 'Back' button. The main form contains several input fields with corresponding 'Scan' and 'Lookup' buttons. The fields are: 'Item' (1006697), 'Quantity to Transfer' (3), 'From Site' (1), 'From Location' (AL2), 'To Site' (1), and 'To Location' (F3L04). A 'Go!' button is at the bottom.

Field	Value	Scan	Lookup
Item	1006697	Yes	No
Quantity to Transfer	3	Yes	No
From Site	1	Yes	Yes
From Location	AL2	Yes	Yes
To Site	1	Yes	Yes
To Location	F3L04	Yes	Yes



QAD Applications on Tablet & Mobile

- Defining „Channels“ (5): View processing results

The image shows a tablet displaying the QAD App Channel interface. The screen shows a 'Back' button and a title bar with the text 'QAD App Channel | Domain SI | iclotr02.p | Transfer -Single Item'. The main content area displays the following information:

Import/Export:

Item: 1006697
Description: HEIZB. MAG-RUEHR ECM6 TZ
Unit of Measure: ST

Quantity: 3 Effective Date: 03/17/14
Work Order:
Sales/Job:
Remarks: TabletPC

From	To
Site: 1	Site: 1
Location: AL2	Location: F3L04
Lot/Serial:	Lot/Serial:
Reference:	Reference:
Status: STD	Inventory Status: STD

Import/Export:
Is all information correct y

Item: 1006697
Description: HEIZB. MAG-RUEHR ECM6 TZ
Unit of Measure: ST

Quantity: 3 Effective Date: 03/17/14
Work Order:
Sales/Job:
Remarks: TabletPC

From	To
Site: 1	Site: 1

● Browsing „Channels“

#Channel Browse X

Actions Setup Cancel ⏮ ⏪ ⏩ ⏭ ★ Add to Favorites

Search

Domain starts at + × Search Clear All

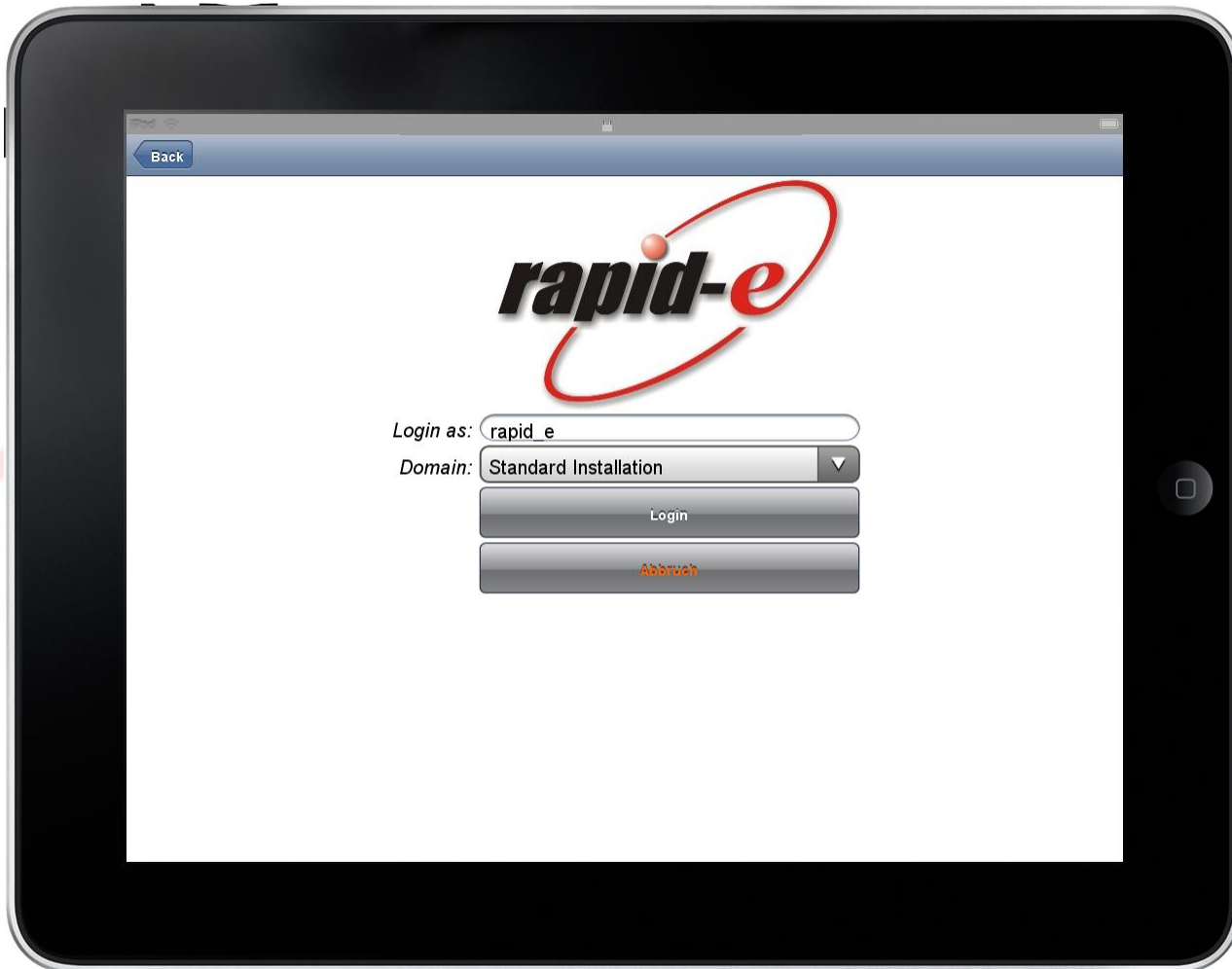
Viewing 1 - 8 of 8 Records per page: 100

Domain	Channel Codes	Description
SI	apvniq.p	Abfrage Kreditoren-Konto
SI	arcsi.p	Abfrage Debitorenkonto (alt)
SI	euarcsi.p	Abfrage Debitorenkonto
▶ SI	iclotr02.p	Transfer -Single Item
SI	mgcodemt.p	Pflege Kennziffern
SI	soivrp10.p	Invoice Reprint
SI	sosorp05.p	QAD Sales Order print StreamServe
SI	xmcisi.p	Vertriebsinfosystem CIS



QAD Applications on Tablet & Mobile

Login-Screen on a tablet device





QAD Applications on Tablet & Mobile

Security

1. User „knocks“ at QAD asking:
 - *User ID, Domain, Device ID (GUID-like),*
 - *Date-time and*
 - *geo-code !*
2. QAD Admin uses Browse + Maint. Screen to confirm „knock“
3. Once confirmed a mobile user access is limited to:
 - *Domain*
 - *one specific device*

Rules:

- **QAD Admin may un-confirm at any time**
- One user – many devices
- User actions (last browse, last record viewed) can be **tracked by location**
- **Location dependent data visibility** or menu activity can be provided



QAD Applications on Tablet & Mobile

Security: Browse „Mobile Device Requests“

Search

Domain starts at - Search Clear All

Viewing 1 - 24 of 24 Records per page: 100

Dom	Confirmed	Approval Date	Userid	Device	Arrive Date	Time	Operating System	Environment	DEVICE	Screen View	LATITUDE	LONGITUDE
SI	Yes	16.03.2014	rapide	rapide@832b3304-474c-1f85-e311-3bad...	16.03.2014	19:45:51	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664		
SI	Yes	19.03.2014	rapide	rapide@ab474d79-29ca-6a94-e311-d9a...	19.03.2014	19:24:11	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664	051.8090925	005.2660380
SI	Yes	19.03.2014	rapide	rapide@b2bf10e-6bb3-219c-e311-dca...	19.03.2014	18:47:12	Client OS: AND	Environment: MOBILE-TABLET	Device ID: L...	Display: 1366x639	051.8090925	005.2660380
SI	Yes	16.03.2014	rapide	rapide@c2801154-8b02-6991-e311-7da...	16.03.2014	18:46:42	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664		
SI	Yes	13.03.2014	rapide	rapide@cbfabc95-acd9-d7b9-e311-6ea4...	13.03.2014	14:12:44	Client OS: IOS	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x748	040.7163530	-074.0039730
SI	Yes	14.03.2014	rapide	rapide@d56a9539-1fd3-0798-e311-24a5...	14.03.2014	12:04:07	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664		
SI	Yes	20.03.2014	rapide	rapide@a3e0088d-9c32-d08b-e311-13b...	20.03.2014	11:40:20	Client OS: IOS	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x748	051.8090925	005.2660380
SI	Yes	16.03.2014	rapid_e	rapid_e@832b3304-474c-1f85-e311-3ba...	16.03.2014	19:45:43	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664		
SI	Yes	27.05.2014	rapid_e	rapid_e@8b01a403-f2c3-7299-e311-73e...	27.05.2014	09:46:47	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664	051.8090925	005.2660380
SI	Yes	06.03.2014	rapid_e	rapid_e@92dfcf08-c5eb-1db7-e311-0aa5...	06.03.2014	09:38:26	Client OS: AND	Environment: MOBILE-PHONE	Device ID: L...	Display: 320x455		
SI	Yes	16.03.2014	rapid_e	rapid_e@9623e011-d2ae-03bd-e311-39...	16.03.2014	19:31:28	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664		
SI	Yes	16.03.2014	rapid_e	rapid_e@9ea9cb2a-1d7a-a99d-e311-3a...	16.03.2014	19:39:38	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664		

#Mobile Device Knock Confirm x Google Maps x

040.7163530,-074.0039730

40°42'58.9"N 74°00'14.3"W
40.716353, -74.003973

Routenplaner

Street View

Die Umgebung erkunden
In der Nähe suchen · Restaurants · Cafés · Bars

Anscheinend haben Sie die Kompatibilitätsansicht für Internet Explorer aktiviert. Google Maps funktioniert nur dann ordnungsgemäß, wenn sie deaktiviert ist. [So geht's](#)



QAD Applications on Tablet & Mobile

Security: Browse „Mobile Device Requests“

Search

Domain starts at Search Clear All

Viewing 1 - 24 of 24 Records per page: 100

Dom	Confirmed	Approval Date	Userid	Device	Arrive Date	Time	Operating System	Environment	DEVICE	Screen View	LATITUDE	LONGITUDE
SI	Yes	16.03.2014	rapide	rapide@832b3304-474c-1f85-e311-3bad...	16.03.2014	19:45:51	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664		
SI	Yes	19.03.2014	rapide	rapide@ab474d79-29ca-6a94-e311-d9a...	19.03.2014	19:24:11	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664	051.8090925	005.2660380
SI	Yes	19.03.2014	rapide	rapide@b2bfe10e-6bb3-219c-e311-dcae...	19.03.2014	18:47:12	Client OS: AND	Environment: MOBILE-TABLET	Device ID: L...	Display: 1366x639	051.8090925	005.2660380
SI	Yes	16.03.2014	rapide	rapide@c2801154-8b02-6991-e311-7da...	16.03.2014	18:46:42	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664		
SI	Yes	13.03.2014	rapide	rapide@cbfab95acd9-d7b9-e311-6ea4...	13.03.2014	14:12:44	Client OS: IOS	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x748	040.7163530	-074.0039730
SI	Yes	14.03.2014	rapide	rapide@d56a9539-1fd3-0798-e311-24a5...	14.03.2014	12:04:07	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664		
SI	Yes	20.03.2014	rapide	rapide@e3e0088d-9c32-d08b-e311-13b...	20.03.2014	11:40:20	Client OS: IOS	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x748	051.8090925	005.2660380
SI	Yes	16.03.2014	rapid_e	rapid_e@832b3304-474c-1f85-e311-3ba...	16.03.2014	19:45:43	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664		
SI	Yes	27.05.2014	rapid_e	rapid_e@8b01a403-42c3-7299-e311-73e...	27.05.2014	09:46:47	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664	051.8090925	005.2660380
SI	Yes	06.03.2014	rapid_e	rapid_e@92dfc08-c5eb-fdb7-e311-0aa5...	06.03.2014	09:38:26	Client OS: AND	Environment: MOBILE-PHONE	Device ID: L...	Display: 320x455		
SI	Yes	16.03.2014	rapid_e	rapid_e@9623e011-d2ae-03bd-e311-39...	16.03.2014	19:31:28	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664		
SI	Yes	16.03.2014	rapid_e	rapid_e@9ea9cb2a-1d7a-a39d-e311-3a...	16.03.2014	19:39:38	Client OS: AND	Environment: MOBILE-TABLET	Device ID: nu...	Display: 1024x664		

#Mobile Device Knock Confirm Google Maps

Go To Actions Copy Print Preview

Device: rapide@cbfab95acd9-d7b9-e311-6ea4166dda6d

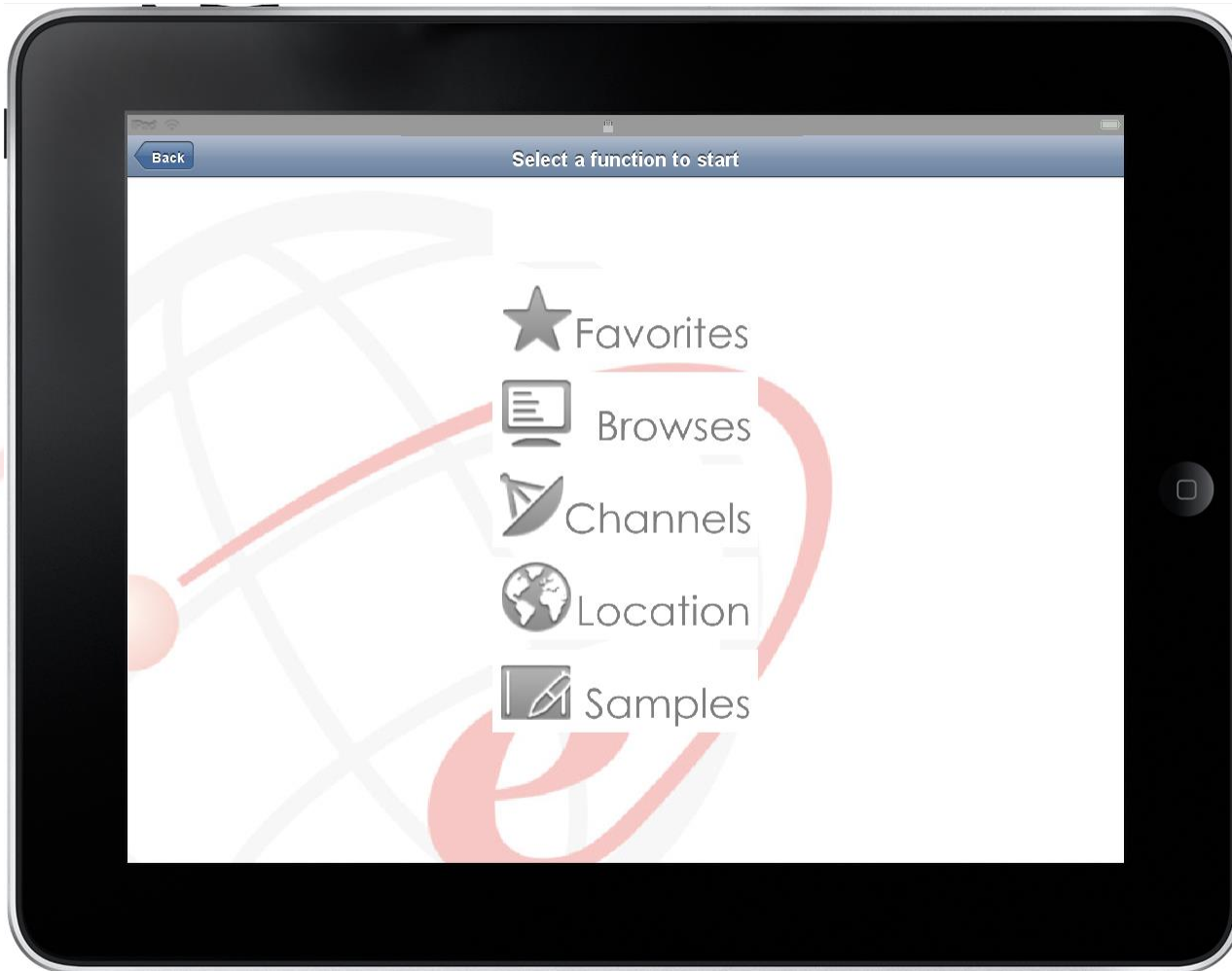
Confirmed: ☒

Approval Date: 13.03.2014



QAD Applications on Tablet & Mobile

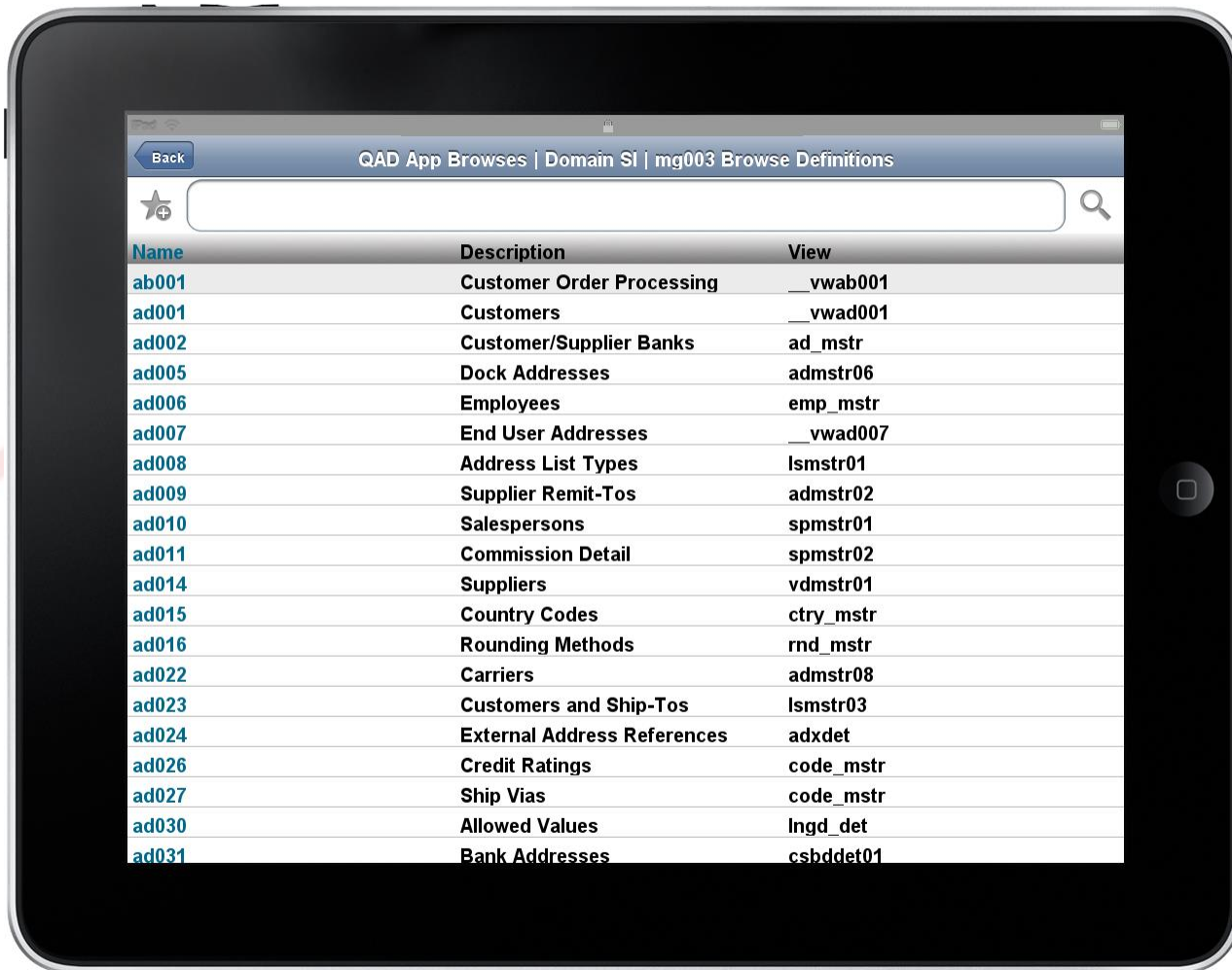
Menu screen





QAD Applications on Tablet & Mobile

Browsers



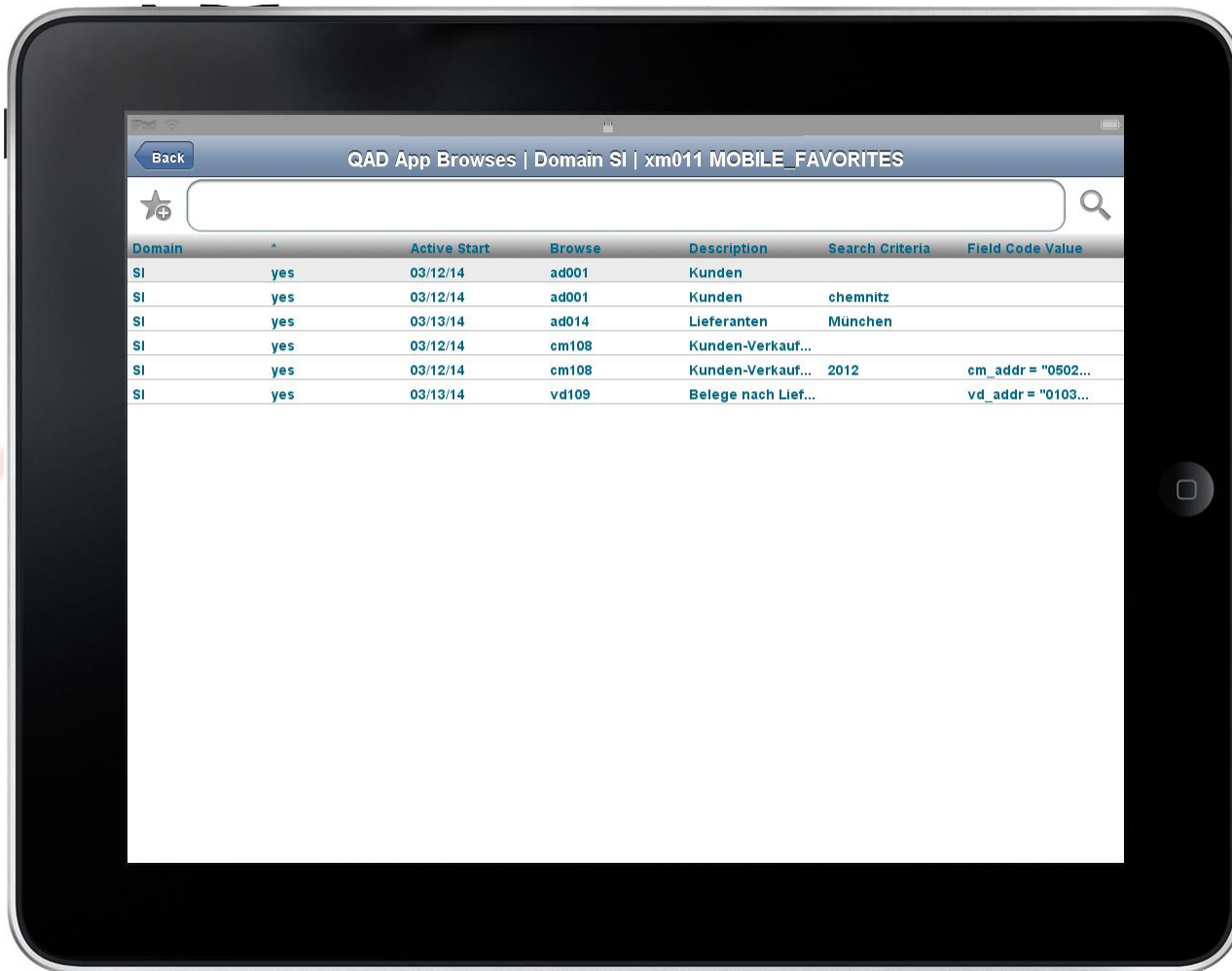
The image shows a tablet displaying the 'QAD App Browsers' application. The interface includes a 'Back' button, a search bar, and a table of application definitions. The table has three columns: Name, Description, and View. The data is as follows:

Name	Description	View
ab001	Customer Order Processing	_vwab001
ad001	Customers	_vwad001
ad002	Customer/Supplier Banks	ad_mstr
ad005	Dock Addresses	admstr06
ad006	Employees	emp_mstr
ad007	End User Addresses	_vwad007
ad008	Address List Types	lsmstr01
ad009	Supplier Remit-Tos	admstr02
ad010	Salespersons	spmstr01
ad011	Commission Detail	spmstr02
ad014	Suppliers	vdmstr01
ad015	Country Codes	ctry_mstr
ad016	Rounding Methods	rnd_mstr
ad022	Carriers	admstr08
ad023	Customers and Ship-Tos	lsmstr03
ad024	External Address References	adxdet
ad026	Credit Ratings	code_mstr
ad027	Ship Vias	code_mstr
ad030	Allowed Values	lngd_det
ad031	Bank Addresses	csbddet01



QAD Applications on Tablet & Mobile

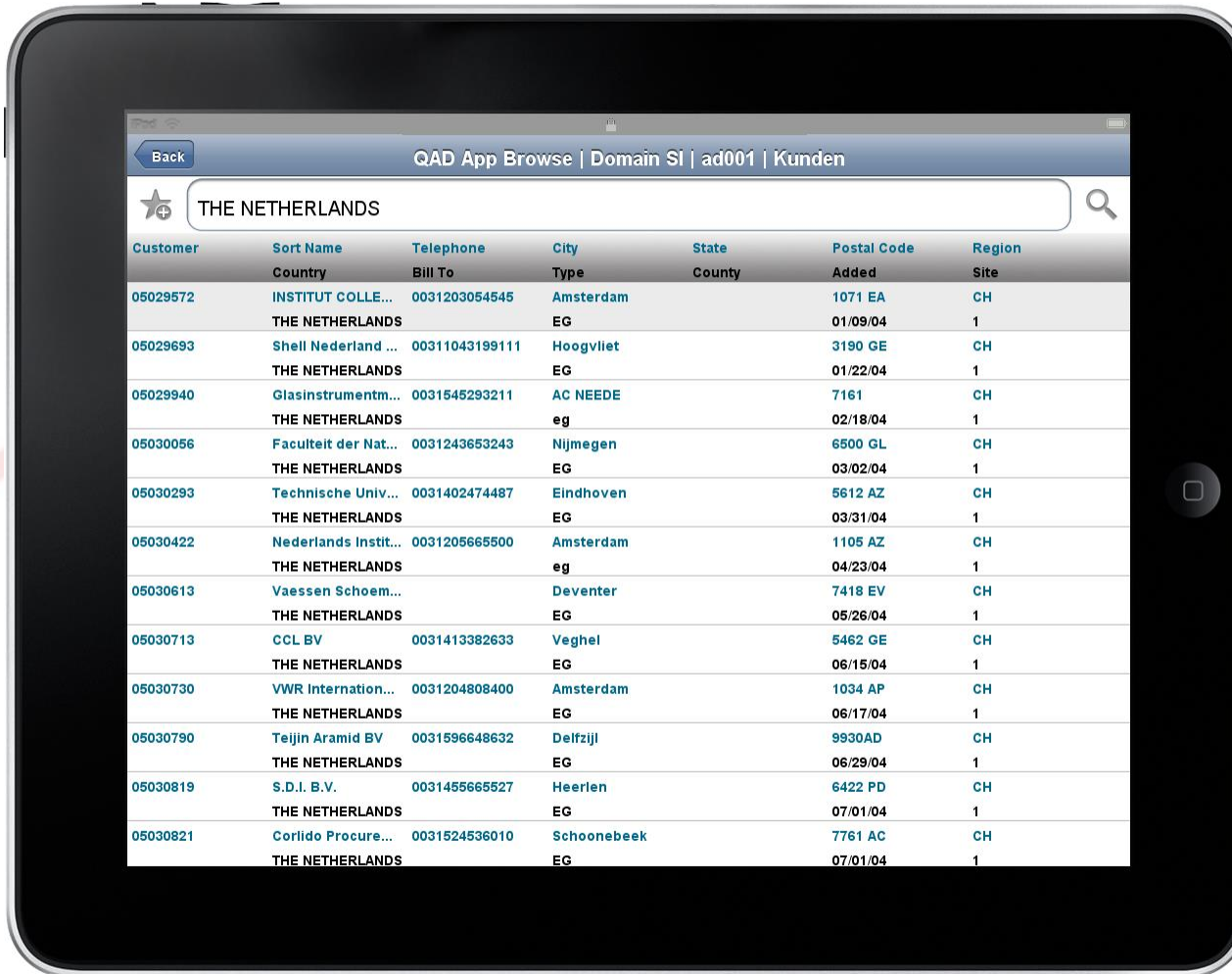
Favorites (Search and parent values stored)





QAD Applications on Tablet & Mobile

Fulltext search, filtering for „THE NETHERLANDS“



QAD App Browse | Domain SI | ad001 | Kunden

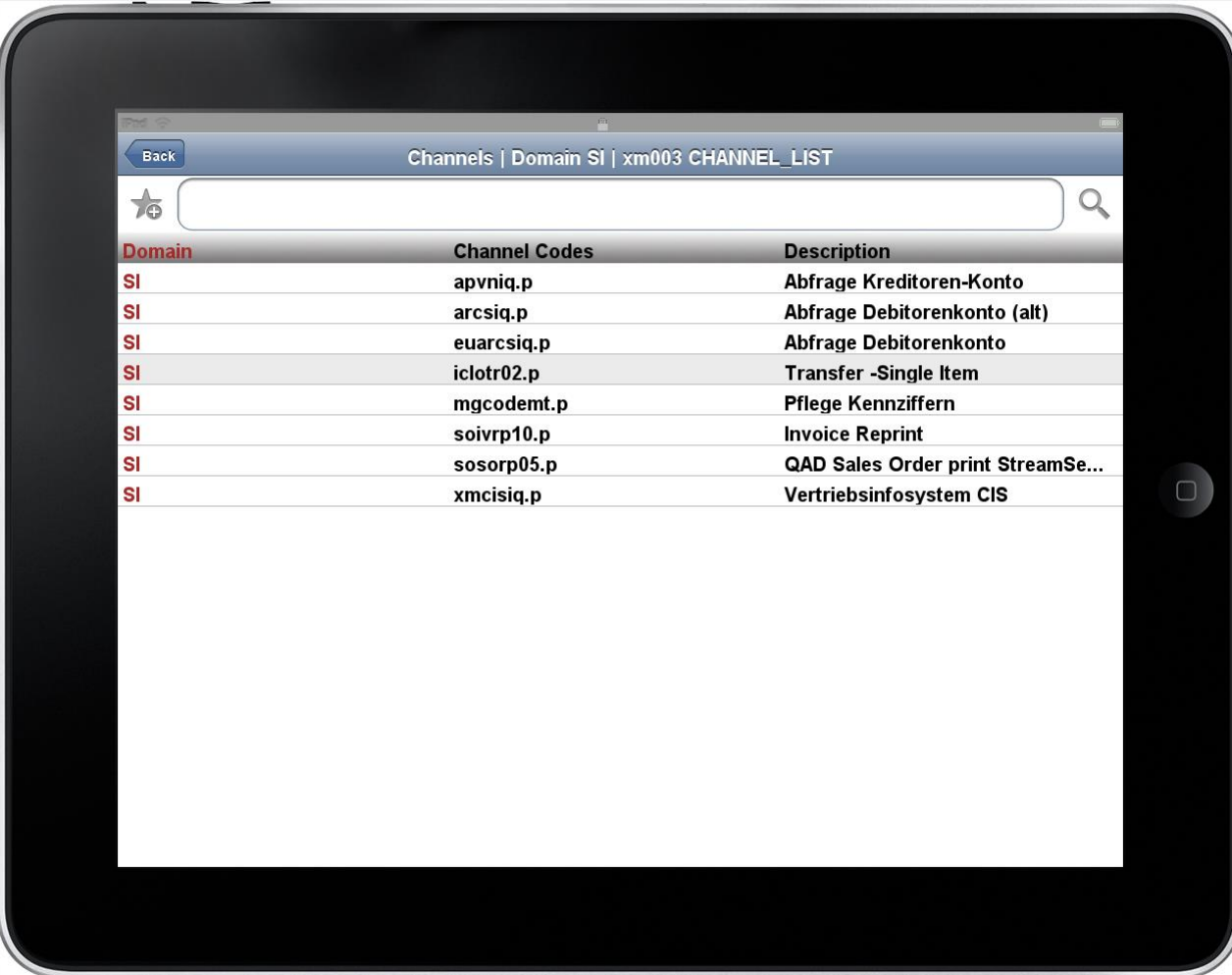
THE NETHERLANDS

Customer	Sort Name	Telephone	City	State	Postal Code	Region
	Country	Bill To	Type	County	Added	Site
05029572	INSTITUT COLLE...	0031203054545	Amsterdam		1071 EA	CH
	THE NETHERLANDS		EG		01/09/04	1
05029693	Shell Nederland ...	00311043199111	Hoogvliet		3190 GE	CH
	THE NETHERLANDS		EG		01/22/04	1
05029940	Glasinstrumentm...	0031545293211	AC NEEDE		7161	CH
	THE NETHERLANDS		eg		02/18/04	1
05030056	Faculteit der Nat...	0031243653243	Nijmegen		6500 GL	CH
	THE NETHERLANDS		EG		03/02/04	1
05030293	Technische Univ...	0031402474487	Eindhoven		5612 AZ	CH
	THE NETHERLANDS		EG		03/31/04	1
05030422	Nederlands Instit...	0031205665500	Amsterdam		1105 AZ	CH
	THE NETHERLANDS		eg		04/23/04	1
05030613	Vaessen Schoem...		Deventer		7418 EV	CH
	THE NETHERLANDS		EG		05/26/04	1
05030713	CCL BV	0031413382633	Veghel		5462 GE	CH
	THE NETHERLANDS		EG		06/15/04	1
05030730	VWR Internation...	0031204808400	Amsterdam		1034 AP	CH
	THE NETHERLANDS		EG		06/17/04	1
05030790	Teijin Aramid BV	0031596648632	Delfzijl		9930AD	CH
	THE NETHERLANDS		EG		06/29/04	1
05030819	S.D.I. B.V.	0031455665527	Heerlen		6422 PD	CH
	THE NETHERLANDS		EG		07/01/04	1
05030821	Coriido Procure...	0031524536010	Schoonebeek		7761 AC	CH
	THE NETHERLANDS		EG		07/01/04	1



QAD Applications on Tablet & Mobile

Channels: Control QAD Maintenance Programs



The image shows a tablet displaying the QAD Channels screen. The screen has a dark blue header bar with a 'Back' button on the left and the text 'Channels | Domain SI | xm003 CHANNEL_LIST' on the right. Below the header is a search bar with a magnifying glass icon. The main content is a table with three columns: 'Domain', 'Channel Codes', and 'Description'. The table lists eight channels, each with a red 'SI' domain, a channel code, and a description. The tablet has a black bezel and a home button at the bottom right.

Domain	Channel Codes	Description
SI	apvniq.p	Abfrage Kreditoren-Konto
SI	arcsiq.p	Abfrage Debitorenkonto (alt)
SI	euarcsiq.p	Abfrage Debitorenkonto
SI	iclotr02.p	Transfer -Single Item
SI	mgcodemt.p	Pflege Kennziffern
SI	soivrp10.p	Invoice Reprint
SI	sosorp05.p	QAD Sales Order print StreamSe...
SI	xmcisiq.p	Vertriebsinfosystem CIS



QAD Applications on Tablet & Mobile

Channels: Control QAD Maintenance Programs

The image shows a tablet screen with a QAD application interface. The title bar at the top reads 'QAD App Channel | Domain SI | iclotr02.p | Transfer -Single Item'. Below the title bar, there are five input fields with labels on the left and 'Scan' buttons on the right. The 'Scan' buttons have a barcode icon. The 'Lookup' buttons have a magnifying glass icon. At the bottom of the form is a 'Go!' button.

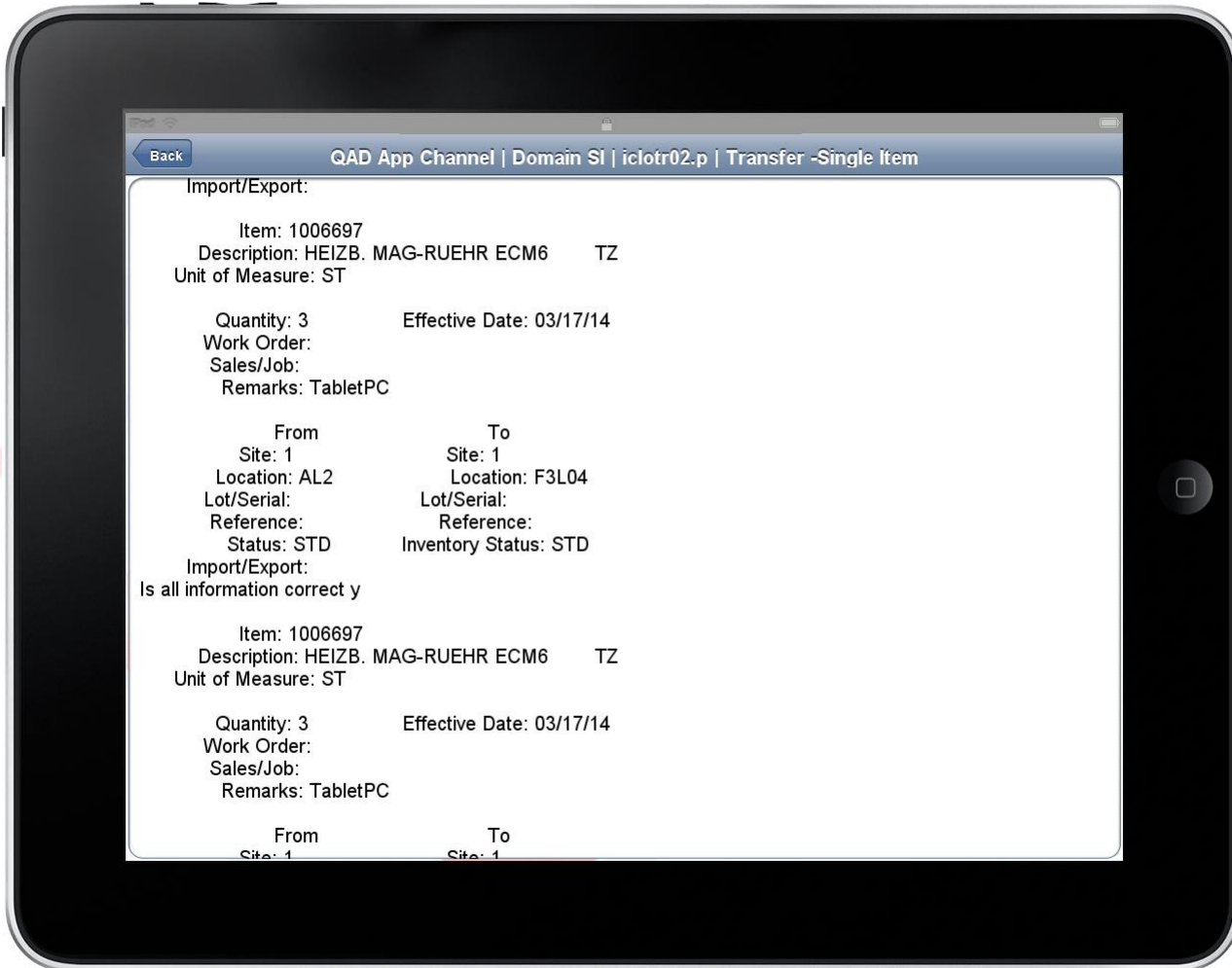
Field Label	Value	Action Buttons
Item	1006697	Scan
Quantity to Transfer	3	Scan
From Site	1	Scan, Lookup
From Location	AL2	Scan, Lookup
To Site	1	Scan, Lookup
To Location	F3L04	Scan, Lookup

Go!



QAD Applications on Tablet & Mobile

Channels: Control QAD Maintenance Programs



The image shows a tablet displaying the QAD App Channel interface. The screen shows a 'Transfer -Single Item' screen with a 'Back' button. The interface displays the following information:

QAD App Channel | Domain SI | iclotr02.p | Transfer -Single Item

Import/Export:

Item: 1006697
Description: HEIZB. MAG-RUEHR ECM6 TZ
Unit of Measure: ST

Quantity: 3 Effective Date: 03/17/14
Work Order:
Sales/Job:
Remarks: TabletPC

From To
Site: 1 Site: 1
Location: AL2 Location: F3L04
Lot/Serial:
Reference:
Status: STD Inventory Status: STD

Import/Export:
Is all information correct y

Item: 1006697
Description: HEIZB. MAG-RUEHR ECM6 TZ
Unit of Measure: ST

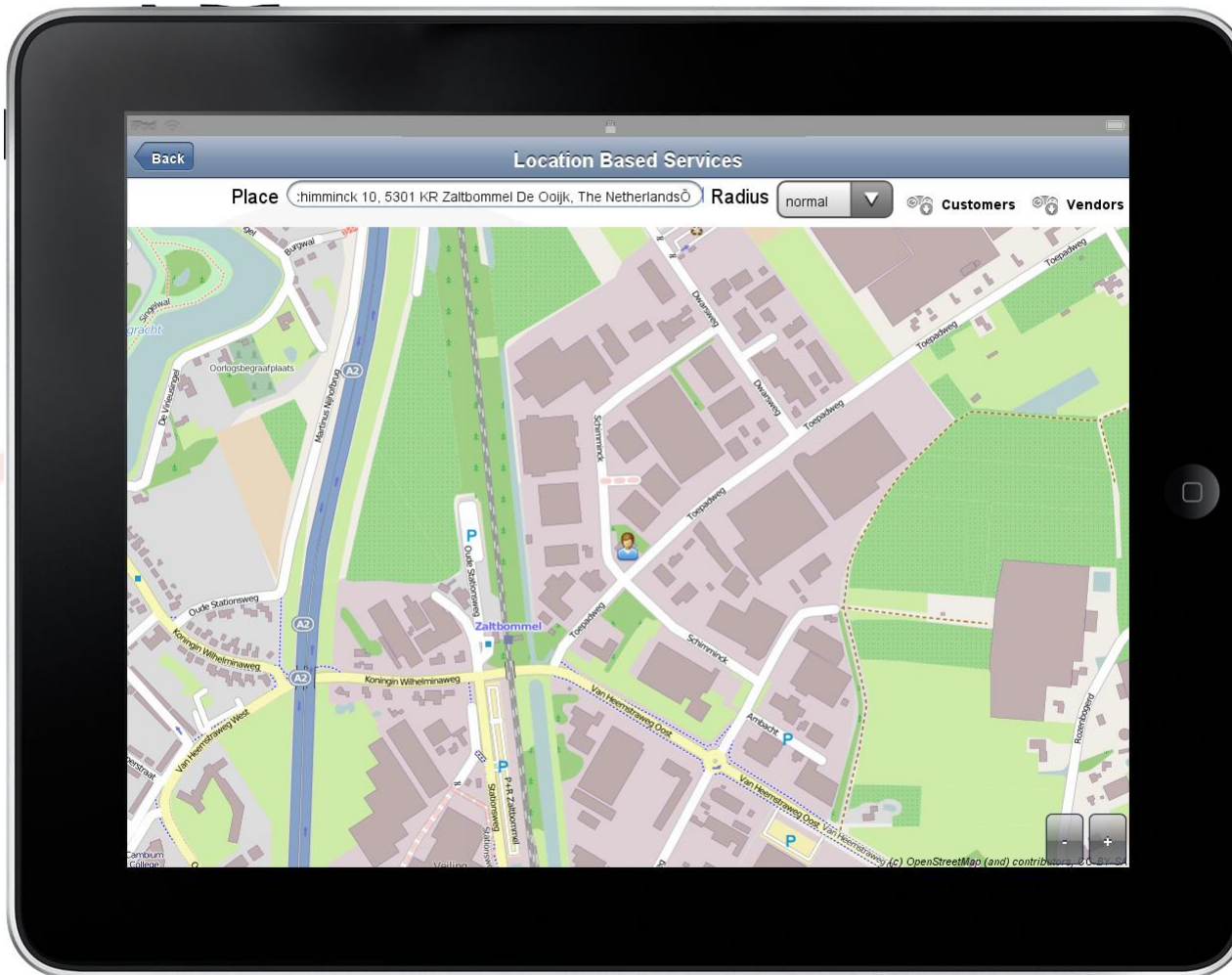
Quantity: 3 Effective Date: 03/17/14
Work Order:
Sales/Job:
Remarks: TabletPC

From To
Site: 1 Site: 1



QAD Applications on Tablet & Mobile

Location based services





QAD Applications on Tablet & Mobile

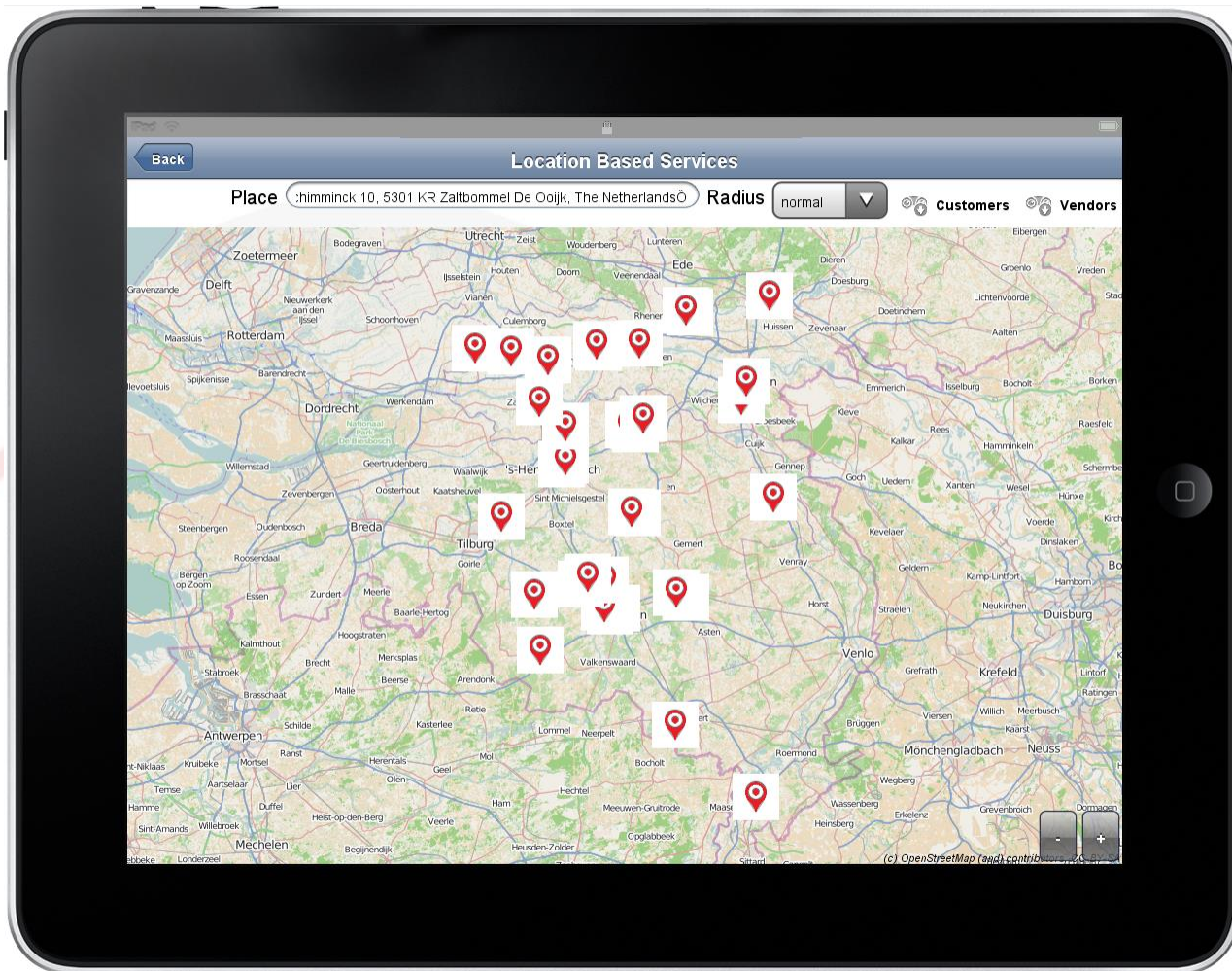
Location based services

- Location of device is obtained
- Automatically:
 - Identify customer or supplier at current location
 - Use address data to assign values to input fields
- Tap on map icon to get list of actions for customer / supplier / current location
- ALL transactions within QAD can be tagged with location code
- Full access to MAP, ROUTE and other API's of Google
- All coded in PROGRESS 4 GL (very compact code)



QAD Applications on Tablet & Mobile

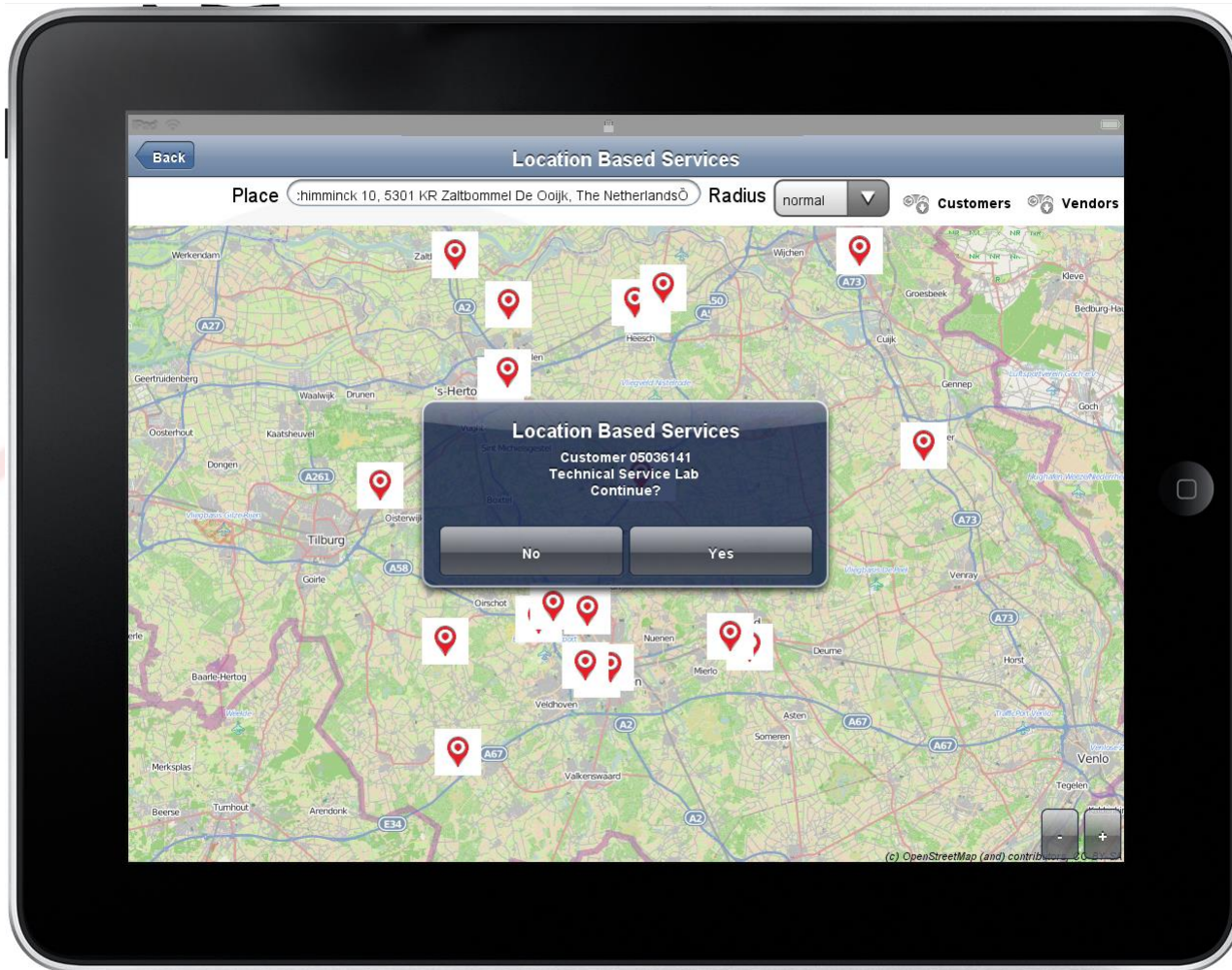
Location based services





QAD Applications on Tablet & Mobile

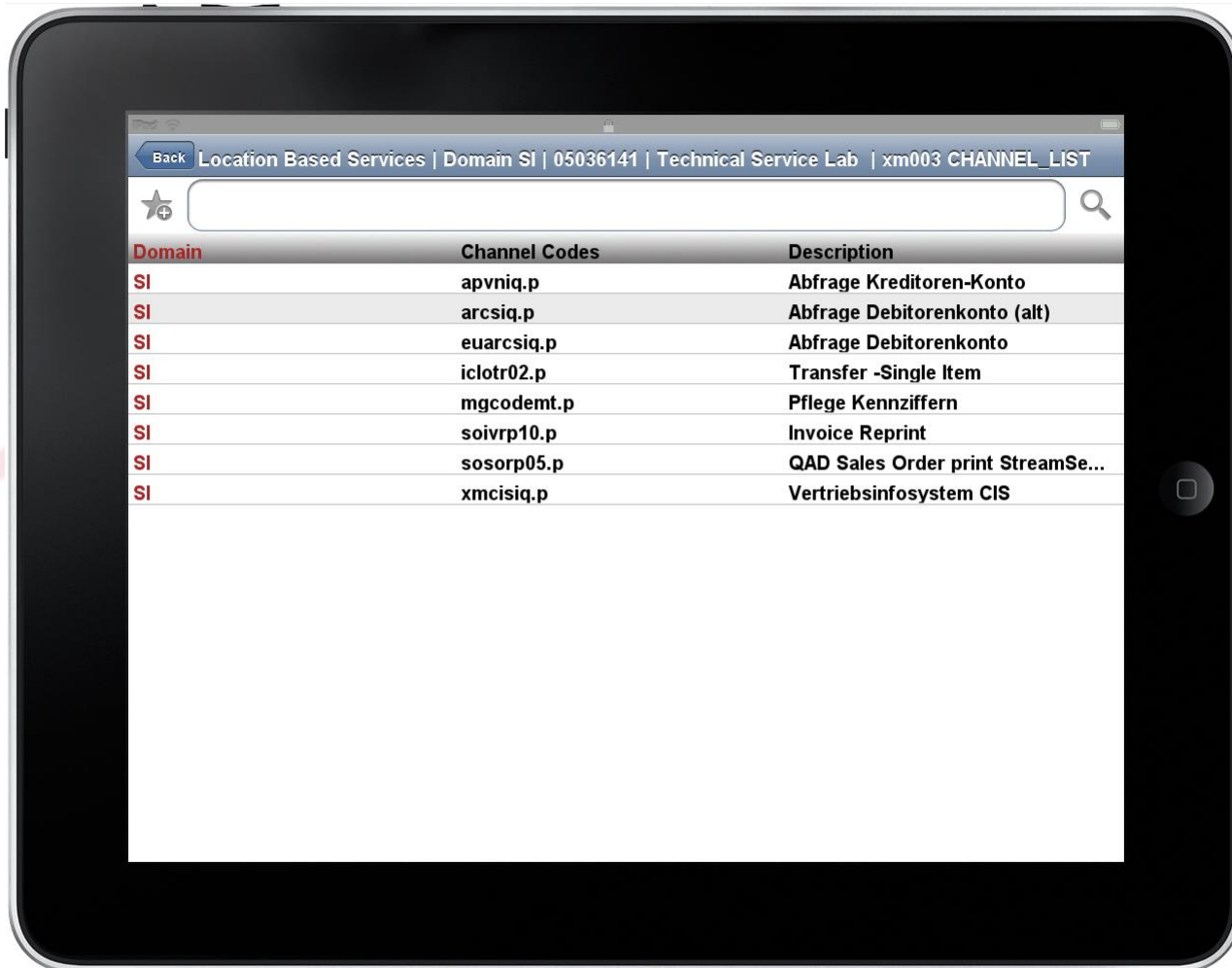
Location based services





QAD Applications on Tablet & Mobile

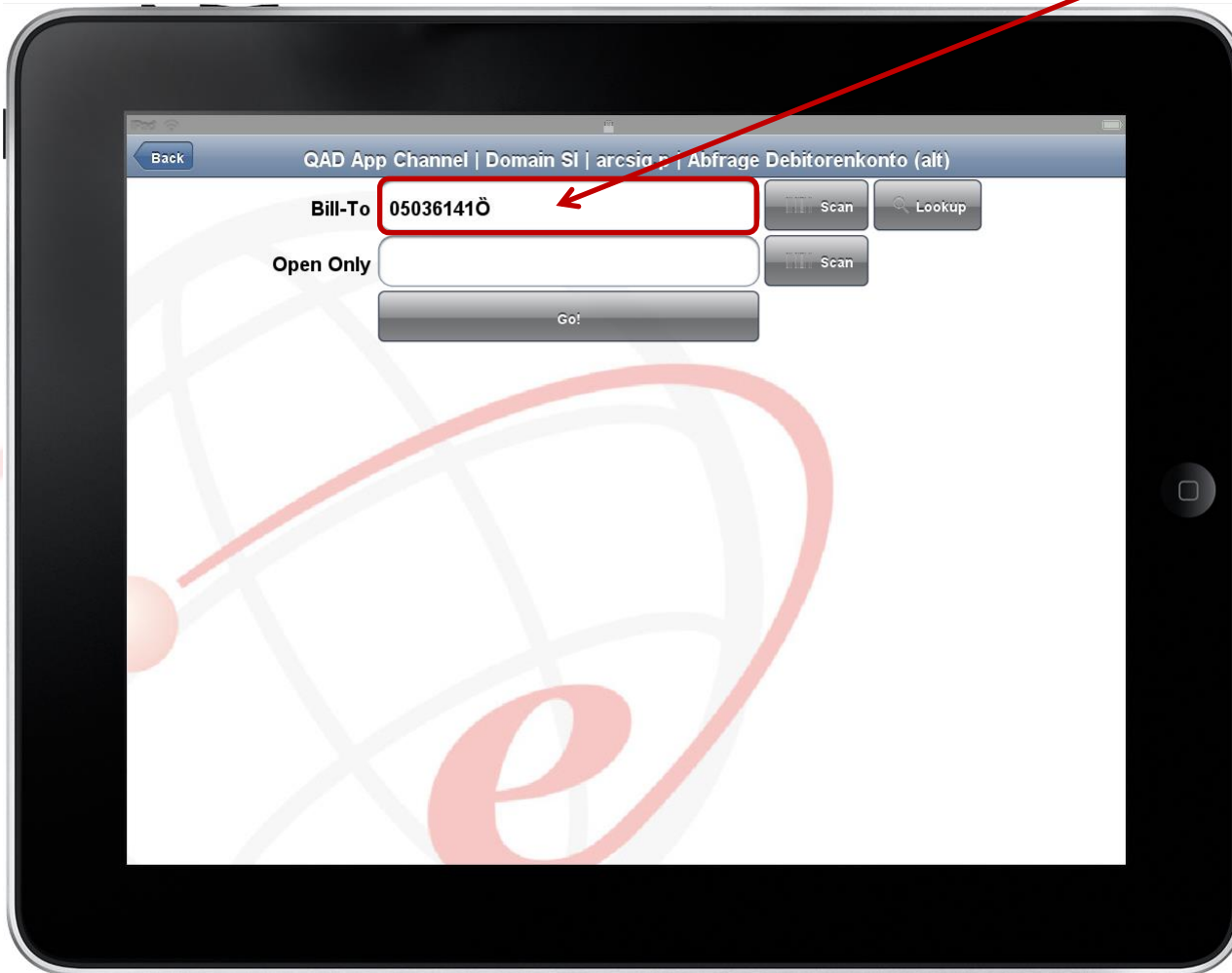
Location based services: Actions for selected Map Icon





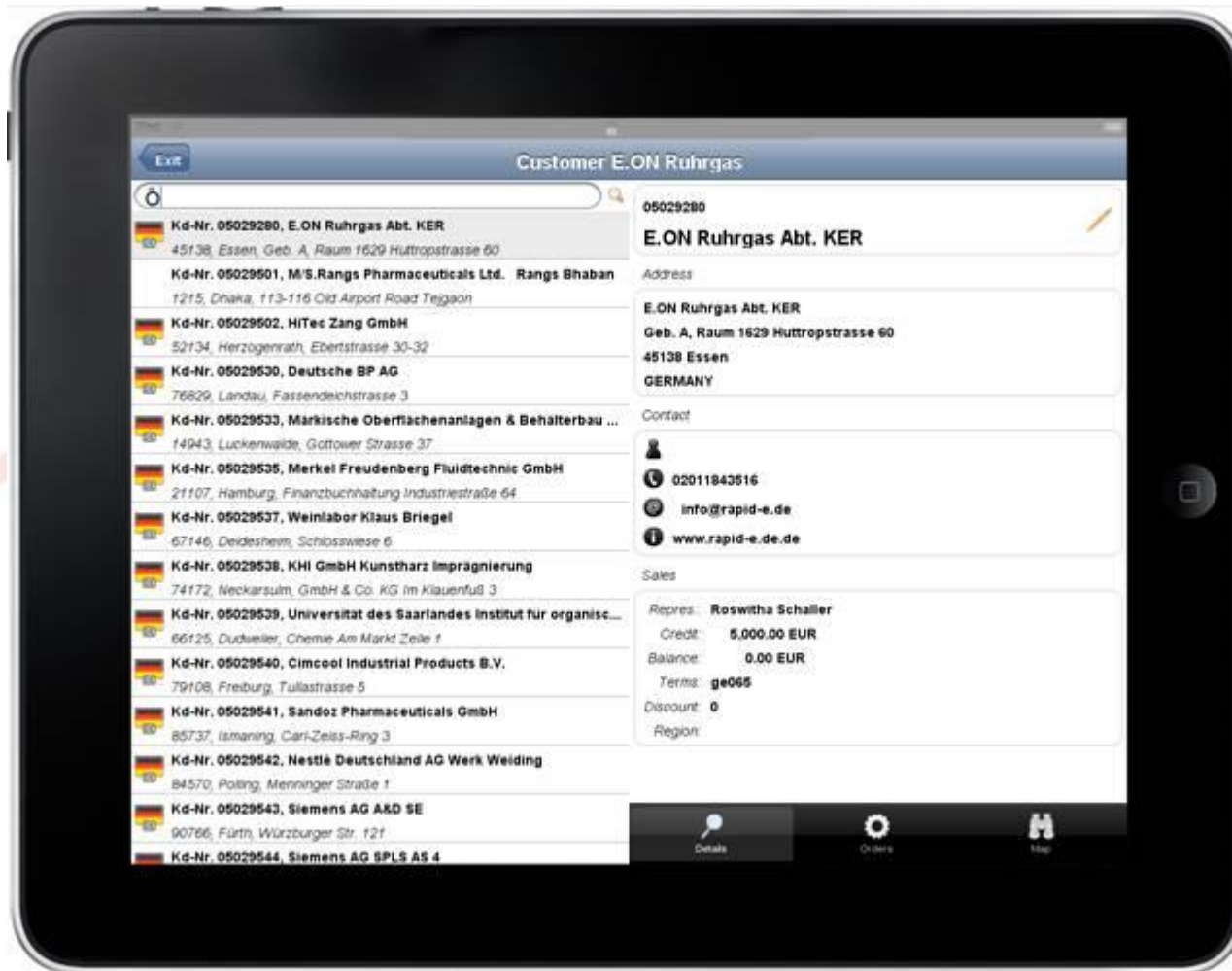
QAD Applications on Tablet & Mobile

Device Location → QAD address found → values assigned



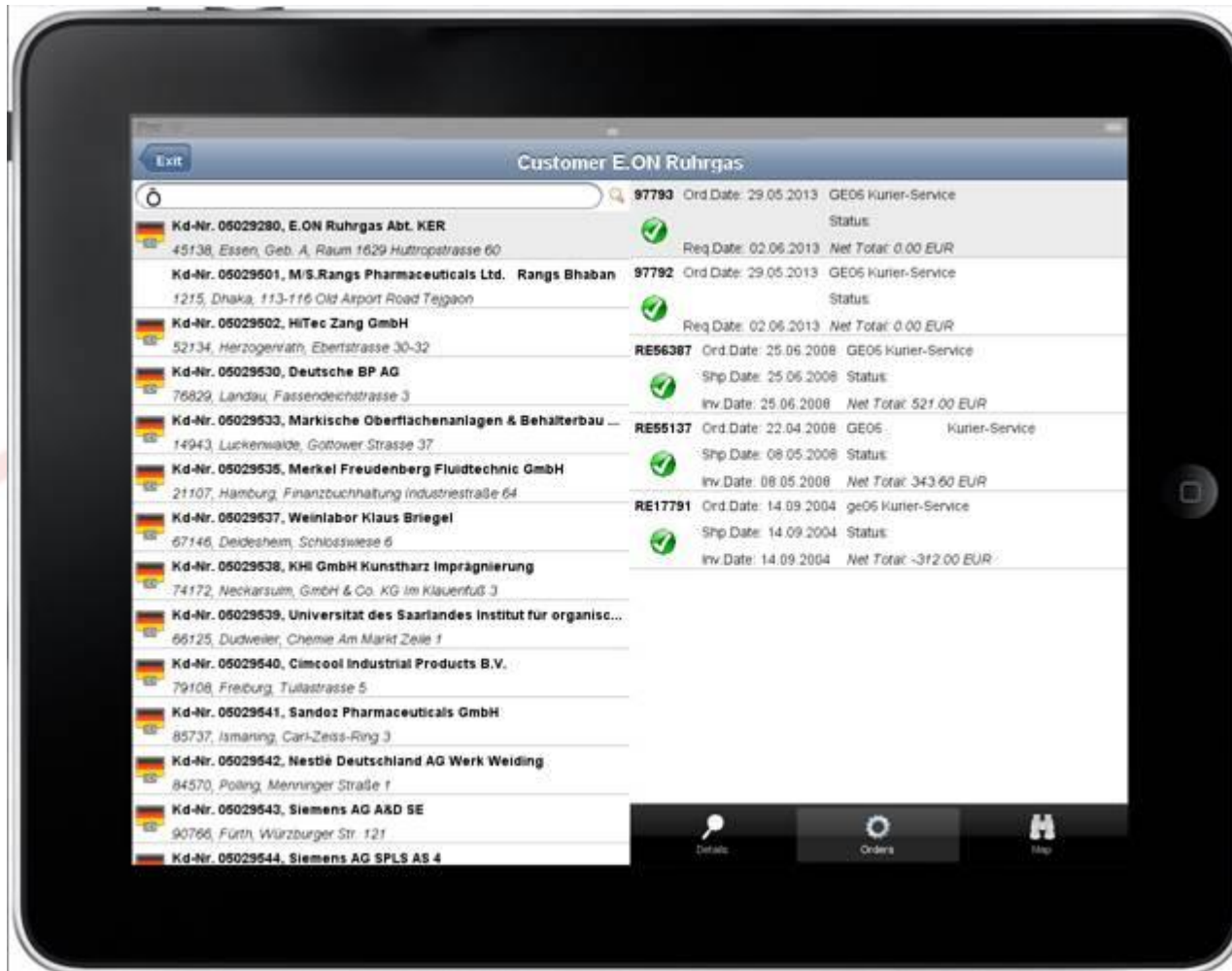
QAD Applications on Tablet & Mobile

Enhanced „Customer“ browse with detail frame (right)



QAD Applications on Tablet & Mobile

Sales orders and latest AR invoices (descending order)





QAD Applications on Tablet & Mobile

Edit and save customer records on the move

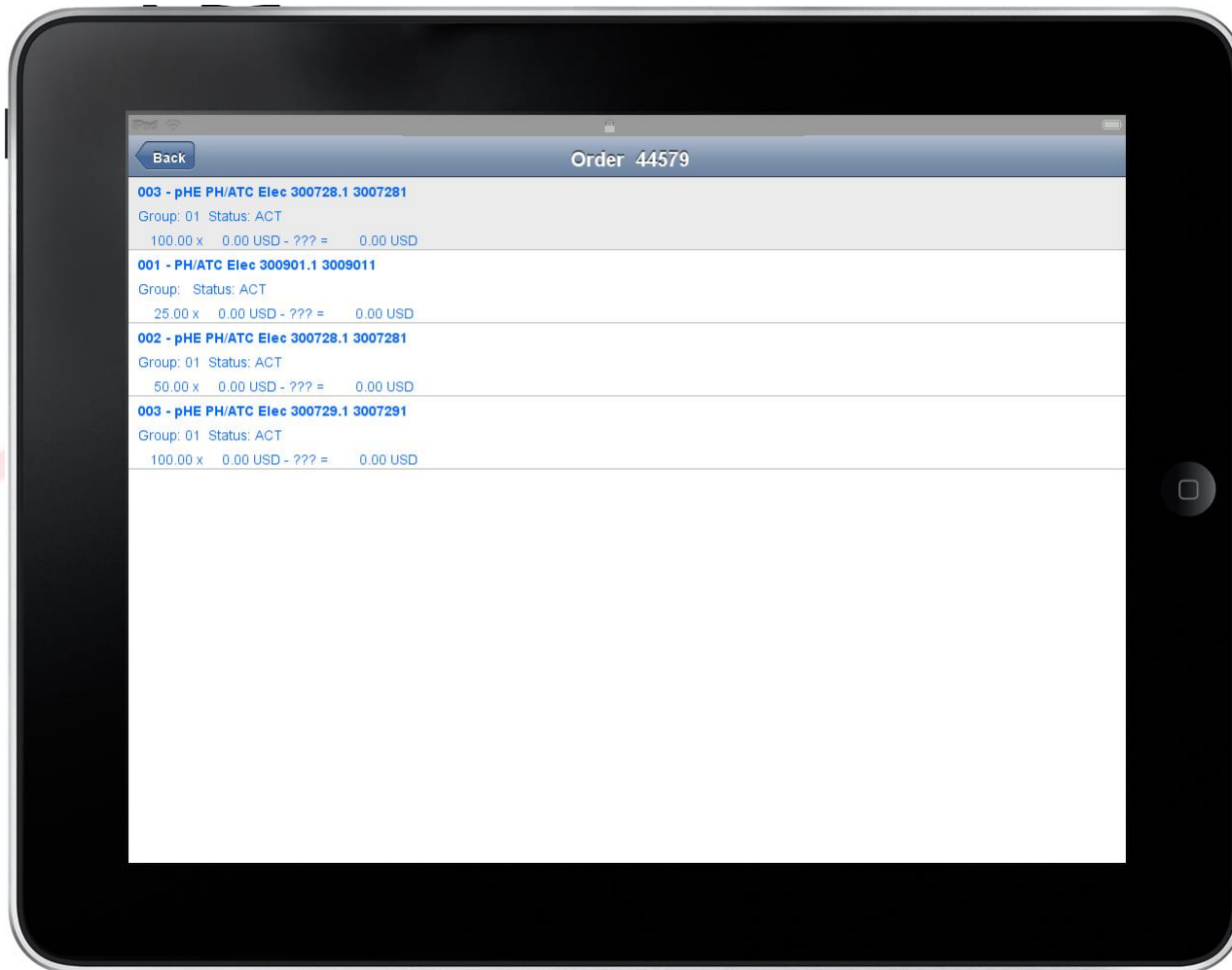
A tablet device is shown displaying a web-based form for editing a customer record. The form is titled 'E.ON Ruhrgas' and includes a 'Back' button in the top left corner. The form fields are as follows:

Field	Value
Number	05029280
Name	E.ON Ruhrgas
Address	Abt. KER
>	Geb. A, Raum 1629
City	Essen
State	<unknown>
Postcode	45138
Country	DE
Contact	
Phone	02011843516
eMail	info@rapid-e.de
Fax	02011843541
Salesrep	EX04
Terms	GE001
Limit	5000
Balance	0
Discount	0



QAD Applications on Tablet & Mobile

Detail view: lines of a sales order





Summary

- Do more with your QAD installation!
 - Design *browses* in QAD – once saved and they appear automatically on Tablet PC and Smartphone.
 - *Forms* designed to save data or update records in QAD database base on simple settings within QAD („Channels“)
 - „Homegrown“ *maint. programs* can be developed very similar to a normal QAD program – only a minimum of practice required.
 - *Location data* smartly used to simplify interaction with QAD
 - No additional QAD licenses!
 - Multiple languages used as installed with QAD language pack
 - Connected to QAD server via VPN – in realtime!
 - App. Available for: Android, iOS, Blackberry
 - Server components available for: MFG/PRO eB2 up to QAD 2012SE and EE



No Games – Pure PROGRESS 4GL

```
oMap:START-MULTI-LOCATION-OPERATION().
FOR EACH geocode where geocode.usrw_domain = sessionDomain and
                        geocode.usrw_key3   >= chLoLat   and
                        geocode.usrw_key3   <= chHiLat   and
                        geocode.usrw_key4   >= chLoLong  and
                        geocode.usrw_key4   <= chHiLong

NO-LOCK:
    find vd_mstr where vd_domain = sessionDomain and
                      vd_addr   = geocode.usrw_charfld[3]

    no-lock no-error.
    if avail vd_mstr then
        chText = vd_addr + "|" + vd_sort.
        oMap:ADD-LOCATION(chText, geocode.usrw_decfld[1],
                             geocode.usrw_decfld[2],
                             oAdrLocIcon ).
        thisSession:logLine(5, "Map:Vendor added: " + chText).
    end.
oMap:FINISH-MULTI-LOCATION-OPERATION().
```



Curious now?

- Unfortunately this is the end of our presentation.
However, we like to be quized about it.
Please do not hesitate inquiring.



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