

# The Holding Queue for Script

Welcome to American Data CARES, the online resource for all your ECS needs. This handout may be read independently or in conjunction with the corresponding video <u>The Holding Queue for Script</u> in our American Data CARES library. This handout covers <u>how the Holding Queue functionality is a part of the Script interface</u>. If after reviewing this material, you need further assistance, please contact <u>cares@american-data.com</u> or 800-464-9942.

## What is the Holding Queue?

The Script interface is electronic communication between facility and pharmacy. With this being said, ECS developed message matching logic to facilitate safe and efficient message matching. There are times when ECS does not obtain enough information from the pharmacy message to safely match it. In these instances ECS routes the message to the Holding Queue where a person must manually match the message for ECS to process it. American Data recommends creating a policy and procedure for monitoring the Holding Queue. Typically a nurse manager or the Director of Nursing monitors this. If there are significant messages being routed to the Holding Queue staff workflow at the pharmacy and facility should be reviewed.

# Why Doesn't the Message Match?

Each message coming into ECS from pharmacy runs through two independent matching logics: client matching and order matching. This assures the messages are being accurately matched.

## **Client Matching**

Client matching in ECS follows two logic paths. The primary matching logic uses the ECS Client ID. This number is sent from ECS to pharmacy in all messages. The location of this number in the electronic message is the 'MedicalRecordIdentificationNumberEHR'. This can cause confusion between pharmacy and facility as the pharmacy may refer to this as the MRN. With an understanding of where to find this number in ECS (e.g. it is not the ECS client MRN) confusion can be cleared.

If pharmacy sends a message with a 'MedicalRecordIdentificationNumberEHR' (ECS client ID) that does not match any in ECS, ECS looks at the client's demographic information to match the message. Demographic information includes name, date of birth, social security number, and gender. If any of these items do NOT match exactly, the message is routed to the Holding Queue for manual remediation.

	0
MedicalRecordIdentificationNumberEHR Client Der	nographics
(ECS client ID) (Name, D	OB, SSN, Gender)

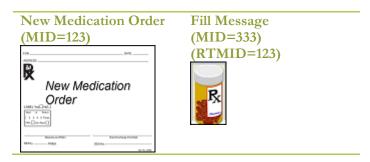


## **Order Matching**

Primary Matching	Secondary Matching	Tertiary Matching		
PrescriberOrderNumber	RelatesToMessageID	RxReferenceNumber		
(PON)	(RTMID)	(RxRef)		

Order matching logic in ECS uses three specific numbers typically sent in electronic messages. The primary matching logic uses the PrescriberOrderNumber or PON. This number originates in ECS with the new medication order. When a message from pharmacy includes a PON that does not match to a PON in ECS the message is routed to the Holding Queue. Alternately, if the pharmacy message does not contain a PON ECS matches based on the second number in the logic.

Each electronic message is required to have a unique message identification number (MID). With medication orders, a new order has a unique MID and the fill message from pharmacy has a unique MID. To link these two messages together, the Relates ToMessageID (RTMID) is utilized.



Example

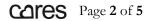
If the RTMID of a message pharmacy sends does not match to a MID in ECS, the order is routed to the Holding Queue for manual remediation. Alternately, if the pharmacy message does not contain a RTMID ECS matches based on the third number in the logic.

The third and final number used for automated order matching is the RxReferenceNumber. This number originates at the pharmacy for each new order. If the RxReferenceNumber does not match any in ECS the order is routed to the Holding Queue for manual remediation.

## Typical Holding Queue Instance

When pharmacy and facility workflow are coordinated and pharmacy software allow for manual entry of PON all messages are expected to match in ECS.

With that being said, not all pharmacy vendors allow for the manual entry of PONs. When this is the case, American Data expects one type of message to be consistently routed to the Holding Queue – the initial fill for a new narcotic medication order. The first time pharmacy fills a new narcotic order, ECS does not receive the numbers required to automatically match the message. After this initial fill is manually remediated all subsequent fill messages for this order are expected to automatically match based on the Rx Reference Number.





If your facility finds several messages routed to the Holding Queue the facility and pharmacy workflows should be reviewed to identify the cause and remediate if possible.

# The Holding Queue in ECS

In ECS a button was created on the Physician Orders Access Screen for nurses to have quick access to this feature.

#### Physician Orders Access Screen

Physician Orders	New Orders					Chart Review	Reports
Nurse Menu	Allergies	Diet/ Supplements	Nursing Orders	Supportive Devices	Side Effects	View/Edit Current Orders	Print Physician Orders
	Blood Glucose Checks	Lab/Xray	Orders Continuation	Therapy	Psychotropic Med Monitoring	View/Edit Held Orders	Print MAR
	Code Status	Life Activity/ FYI	Protocols/ Vaccines	Transfers/ Discharges		View Current/DC'd Orders	Print TAR
	Consults	Medications	Standing Orders	Treatments		For E-Prescribing	Print Daily Telephone Orders
						Census Requirements	
						Script Holding Queue	$\triangleright$
						Red Rx (eMAR) Review	

The Holding Queue has filters available at the top. Defaults are set to provide users with the most helpful filters for most instances. If a need for troubleshooting arises, users may find the other filter options helpful. The bottom portion of the screen displays the messages that require manual matching. The status column displays what type of matching is required for the message: client or order.

## Script Holding Queue in ECS

Interface History	Holding Queue Co	ensus	
Refresh Delete	Set Client Set Order	Image: Written Date       Image: Status       Image: Received Date / Time       Image: Prescriber Order Number         Image: Client Name       Image: Message Type       Image: Message ID       Image: Received Date / Time         Image: Description       Image: Facility       Image: Relates To Message ID       Image: Received Date / Time	
Written Date	Client Name	Drug Description Status	
2015-11-25	Zirbel, Brooke	Morphine Sulfate 15MG Tablet Order	
2015-12-03	Peppermint, Patricia	Atenolol 100MG Tablet Client	



### **Client Matching**

ECS presents the client selection screen when the electronic message requires manual client matching. Choose the appropriate and client and select OK. The message is released from the Holding Queue and linked to the client account.

> NOTE: The demographic data in ECS does NOT update from the incoming pharmacy message. Review the message to determine why the client did not match to determine which system requires updating (pharmacy or facility).

## **Order Matching**

When a message requires *Order Matching* ECS presents a list of the electronic orders associated with the client. Notice the order list includes both active and inactive medications. This is needed because pharmacy may send messages for medications that have been discontinued. Click the column to sort the list.

#### Order Matching Screen

🗱 Set Order - Zirbel, Brooke						- • *
Rx Fill		Entry	Entry Dat	Status	User	
Morphine Sulfate 15MG Tablet(1 tablet / 15mg)		Amoxicilin 500MG Tablet Dose: (1 tablet / 500mg) by mouth twice per day 0700 1900 Through: 11/20/2015 For: Anthrax	11/16/2015	Discontinued	CJZ	^
by mouth at bedtime prn Moderate to Severe Chronic Pain GIVEN FOR: ICD: G89.2,		Magic Mouthwash Dose: (2 application) by mouth daily 1700 x 1 days For: Halitosis	11/30/2015	Discontinued	CJZ	1
Note: Swapped brand Pharmacy: INTEGRATION PHARM - AmData	11	[Tums]Calcium Carbonate Antacid 500MG Tablet Chewable Dose: (1 tablet / 500mg) by mouth twice per day 0700 1900 For: Dyspepsia	11/16/2015	Active	CJZ	
2828 Main Street, Prairie Du Sac WI, 53578 ≡	1	narcotic Dose: (1 tablet) by mouth daily 1600 For: Pain	11/25/2015	Active	CJZ	E
TEL: 8557939773 FAX: 8774504447		Amoxicilin 500MG Tablet Dose: (1 tablet / 500mg) by mouth twice per day 0700 1900 Through: 11/16/2015 For: Anthrax	11/12/2015	Active	CJZ	
Prescriber: Adrian T. Booker MD 1234 Ward Parkway, Prairie Du	l li	[Zithromax]Azithromycin 250MG Tablet Dose: (1 tablet / 250mg) by mouth daily 2300 x 4 days For: Acute Otitis Media	11/12/2015	Active	CJZ	
Sac WI, 53578 TEL: 8557939773	l li	[Tylenol]Acetaminophen 325MG Tablet Dose: (2 tablet / 650mg) by mouth every 8 hours as needed For: Fever	11/30/2015	Active	CJZ	
Prescriber Order Number: BX Reference Number: MSEII	" i	Furosemide 20MG Tablet Dose: (1 tablet / 20mg) by mouth twice per day 0700 1500 For: Edema	12/1/2015	Active	CJZ	
Show XML		Lantus]Insulin Glargine 100UNIT/ML Solution				
					ОК	Cancel

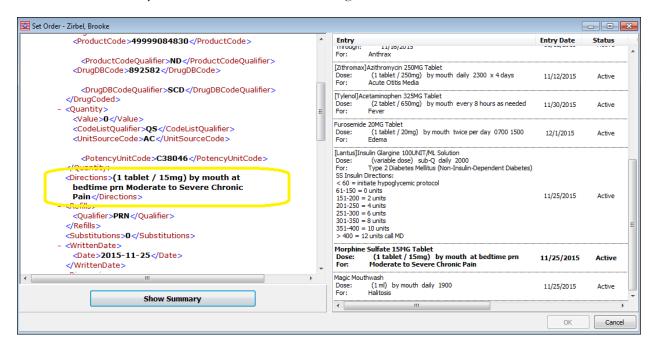
To assist staff with order matching, orders with the same ingredients as the pharmacy message are bolded in the list. You are not required to select one of these orders.



Set Order - Zirbel, Brooke	_					
Rx Fill	For:		Entry Date	Status	User	
Morphine Sulfate 15MG Tablet(1 tablet / 15mg)	[Zithro Dose: For:	nax]Azithromycin 250MG Tablet (1 tablet / 250mg) by mouth daily 2300 x 4 days Acute Otitis Media	11/12/2015	Active	CJZ	
by mouth at bedtime prn Moderate to Severe Chronic Pain GIVEN FOR: ICD: G89.2, Note: Swapped brand	[Tylen: Dose: For:	[]Acetaminophen 325MG Tablet (2 tablet / 650mg) by mouth every 8 hours as needed Fever	11/30/2015	Active	CJZ	
Pharmacy: INTEGRATION PHARM - AmData	Furose Dose: For:	nide 20MG Tablet (1 tablet / 20mg) by mouth twice per day 0700 1500 Edema	12/1/2015	Active	CJZ	
2828 Main Street, Prairie Du Sac WI, 53578 TEL: 8557939773 FAX: 8774504447 Prescriber: Adrian T. Booker MD 1234 Ward Parkway, Prairie Du Sac WI, 53578	= Dose: For: SS Ins < 60 = 61-15 151-2 201-2 251-3 301-3	Jinulin Gargene 100UHT/MK Solution (variable door, sub-Q daily 2000 Type 2 Diabetes Mellitus (Non-Insulin-Dependent Diabetes) in Directions: in Directions: 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	11/25/2015	Active	CJZ	
TEL: 8557939773 Prescriber Order Number	Morpl Dose For:	ine Sulfate 15MG Tablet (1 tablet / 15mg) by mouth at bedtime prn Moderate to Severe Chronic Pain	11/25/2015	Active	CJZ	
BX Reference Number: MSFill	Magic I     Dose:     For:	(1 ml) by mouth daily 1900 Halitosis	11/25/2015	Active	CJZ	
Show XML	•	III				•
					ОК	Cance



There may be times when you need more information than what the summary screen provides to accurately match the message from pharmacy. Click the button to switch to the xml view to see detailed information pertaining to the order. The most helpful location to look is the <Directions> element towards the bottom of the xml. To manually match an order, select it on the right and click OK.



# Conclusion

The Script interface streamlines communication between facility and pharmacy. American Data developed workflows to assist staff with this new functionality. If you have questions or concerns please contact the clinical department at <u>clinical@american-data.com</u> or (800) 464-9942.

Thank you for taking the time to learn more about <u>*The Holding Queue for Script.*</u> Please check out our other videos and documentation for more great information about ECS!