

Section 7

Promotions and Recharges

# Agenda

#### 7.1 Rating-Time Promotions

7.2 Bill-Time Promotions

7.3 Recharge Control Table (RCT)



### Module Objectives

- Define the purpose of Rating-Time Promotions
- Explain the difference between a RT discount and RT bonus
- List the five elements that can be involved in configuring a RT promotion
- Discuss the purpose of accumulators, and define the main attributes
- Given a business scenario, identify and configure the RT promotions

#### <u>Plans</u>

Usage Plan: Voice\*

Usage Plan: SMS\*

Usage Plan: MMS\*

RT Promotion Plan:

10 Free SMS for every 100

Peak minutes used

Service Plan:\*

SP Basic Mobile

For testing purposes, change to:

One free SMS for every 5 Voice seconds used

#### **Terms**

RC:

Prepaid Mobile Access Fee (\$5/month)

\* Reuse (or modify) entity definition from the Quick Start data

#### **Accumulators**



(only populated for promotions managed through an external source)

[Peak minutes]

#### Offer: Prepaid Mobile

X Primary Offer □ Account Offer

 $\hfill \square$  Supplementary Offer

Payment Mode: Prepaid

Effective Date:

Service Category: Mobile

Class of Service: Currency Code:

#### **Templates**



(for POs and SOs only)

Subscr. Compatibility Templ:

Prepaid Mobile (PO / Wireless Web SO

Tariff Plan Override:

Free Calls Birthday

#### **Balances**



- (1) SMS-ALL\*
- (2) CORE BALANCE\*

#### **External ID Types**

**Geo Regions** 

#### Rules



Subscr/Acct Prereq.:

Residential Account Category

**Transition Rule:** 

Prepaid Mobile Voice Plus Web SB

making YOUr network smarter

# Rating-time Promotions

RT Promotion Basics
Accumulators
RT Bonus
RT Discount
RT Promotion Plan



making YOUY network smarter

**RT Promotion Basics** 



### Rating-Time Promotions Basics

- RT Promotions are discounts and bonuses that are calculated and issued as each usage event is rated
- Allow subscribers to be rewarded immediately (in real time or deferred mode), upon reaching certain usage levels within a configurable period of time
- Target general or specific usage
- Promote usage within a service or across convergent services

Notify subscribers of near award thresholds to promote additional usage

COMVERSE

this week and

receive 20%

off a pay-per-

view movie

Download 5

video clips

 RT promotions are not limited to prepaid usage.
 You can have a promotion on usage charged to a postpaid balance that takes affect at rating time (Awards are added as they are earned, for example)

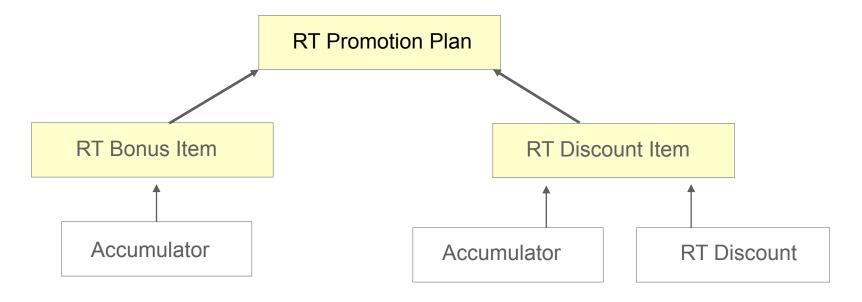
## Rating-Time Promotions & Examples

- Discounts include percentage discounts or a fixed monetary amount
- Bonuses provide monetary awards or a bonus offer
- Rating-Time Discounts
  - 10% discount on international direct dialing calls after
     100 minutes of roaming calls in a month
  - Use 250 minutes in a month and get 1 cent off each SMS
- Rating-Time Bonuses (Awards)
  - Send 200 SMS messages in a month and get 10 SMS messages free
  - Order five PPV movies within a week and get a bonus supplementary offer that provides discounted movies for a month

# Rating-Time Promotion Elements

- Promotion Plans package together discounts and/or bonuses
- There are three functional parts:
   Accumulator, Bonus Item and/or
   Discount Item\*, and a Promotion Plan



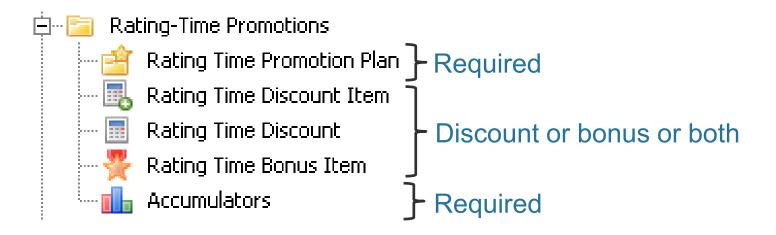


\* Note that for discounts, configuration of the discount and discount item are separate steps.

## Flow to Define Rating-Time Promotions

#### Define the main entities in this order (all are required):

- Accumulators
- Discount Items (first configure the discounts) and/or Bonus Items
- Promotion Plan



making YOUr network smarter

Accumulators

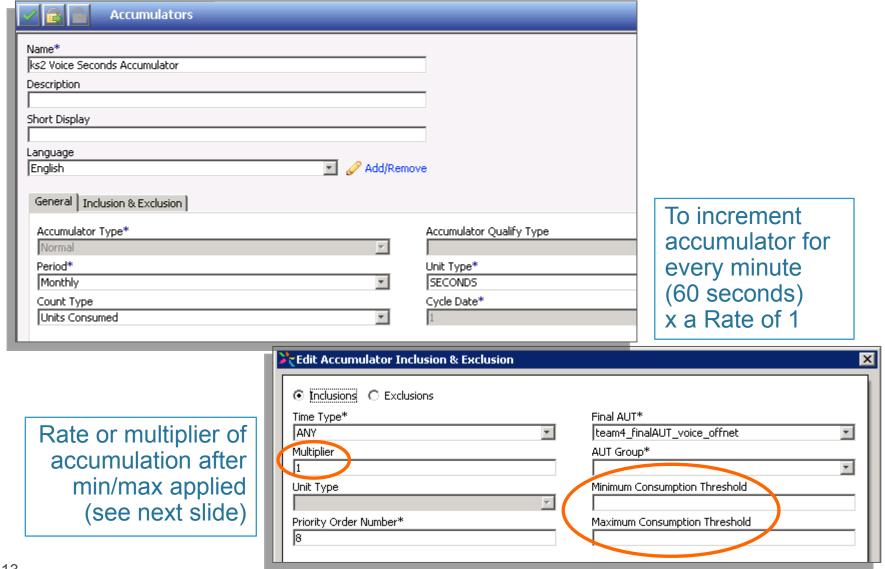


#### Accumulators

- Accumulators are registers capable of counting or measuring all user-generated chargeable activity
- Configured to count units of usage, usage charges, or events
- One accumulator counts one type of usage
- Each discount award or bonus award is configured with an accumulator
- Qualification criteria includes the minimum value before accumulation begins and the maximum value at which accumulation stops
- Includes a rate, or multiplier, of accumulation
- At the account level, accumulators can accumulate against all child subscriber charges

Ó Account Level, accumulator có thể accumulate đối với tất cả các subs con => Dùng cho Group & Family

# Defining an Accumulator



#### Accumulator Qualification Criteria

#### Minimum/Maximum Consumption Threshold

- Minimum Define which usage contributes towards the accumulation (the count always starts from 1)
- Maximum Sets a limit on the accumulation per usage event

#### Multiplier

- The amount accumulated can be multiplied by a rate
- The multiplier is applied to accumulators after any minimum and maximum criteria are applied

#### Example

- Accumulate seconds for all calls of one minute or more (≥ 60-seconds), but only accumulate up to 4 minutes (240 seconds). Double the "points" accumulated.
- Min=60 Max=240 Multiplier=2
- Call of duration 0:59 does not increment accumulator
- Call of duration 1:30 increments accumulator by 180 seconds
- Call of duration 5:30 increments accumulator by 480 seconds

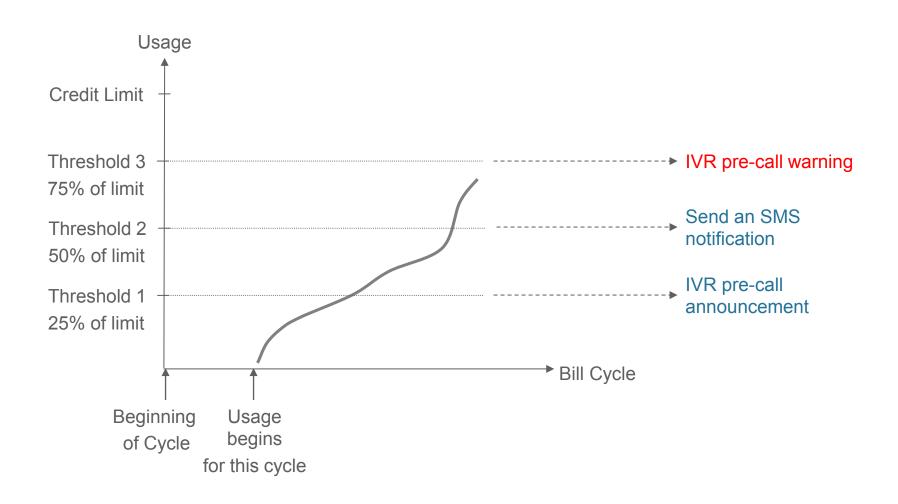
## Accumulator Inclusion Rules Examples

#	Time Type / Rate Period	AUT / AUT Group	Minimum Consum Thresh	Maximum Accum Thresh	Units	Rate of Accum	Comments
1	Peak	Voice_Calls			Sec	1	Accumulate seconds of usage for all Peak voice calls
2	Peak	Voice_Calls	30		Sec	1	Accumulate seconds of usage for all Peak voice calls of than 30 seconds or more
3	Peak	Voice_Calls	30	601	Sec	1	Accumulate seconds of usage for all Peak voice calls of 30 seconds or more, but stop accumulating at 600 seconds
4	Peak	Voice_Calls	30		# Occur	1	Count Peak voice calls of more than 30 seconds or more,
5	*	Voice_Calls	0.30		Cur	1	Accumulate currency for all calls charged 0.30 or more
6	*	Voice_Calls	0.30		# Occur	1	Count all calls charged 0.30 or more (Same as above, but with Event Accumulator)
7	*	Voice_Calls	0.30	1.01	Cur	1	Accumulate currency for all calls charged 0.30 or more, but stop accumulating at 1.00
8	Peak	Voice_Calls		31	Sec	1	Accumulate seconds of usage for all Peak voice calls, but stop accumulating at 30 seconds.

15

## More on Accumulators: Flexible Thresholding

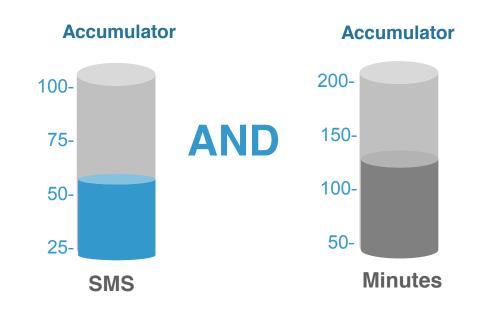
When configured thresholds are reached, we can notify the subscriber.



## Multiple Accumulators

A maximum of up to 5 accumulators with an "AND" operation can be used as eligible criteria for rating-time bonuses and discounts

IF number of SMS accumulates to 50 AND number of Minutes accumulate to 100: receive Promotion Plan



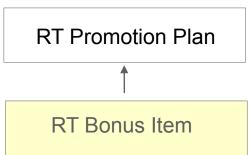
making YOUY network smarter

RT Bonus



### Rating-Time Bonus

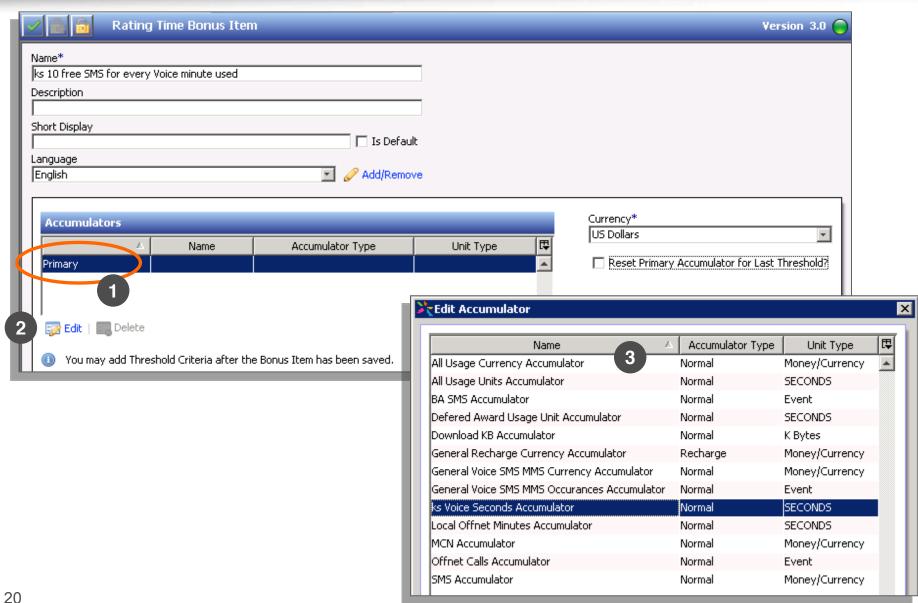
- Defines a bonus based on the subscriber's usage
- Subscriber receives a balance award or a bonus offer
   (Supplementary Offer) for using a particular service beyond a configurable threshold
- Can be granted for immediate use or for future use (deferred awards)
- Can be awarded to more than one balance upon reaching specified thresholds



Note: To make testing easier, in class we will configure:

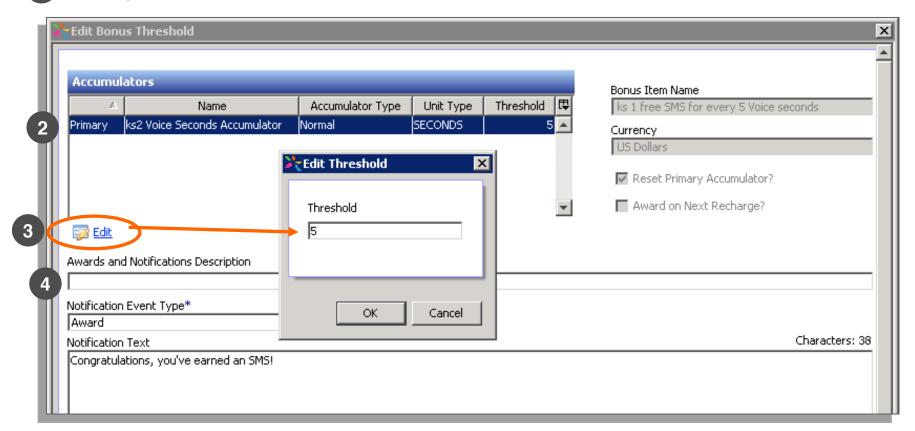
1 Free SMS for every 5 seconds of Voice calls

# Defining Rating-Time Bonus Item (Accumulator)



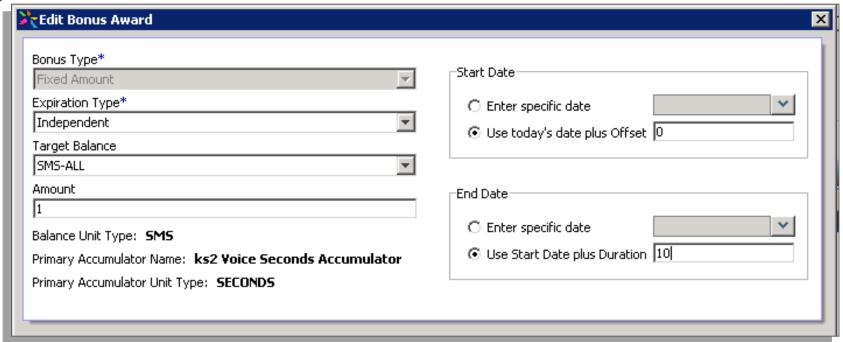
# Defining Rating-Time Bonus Item (Thresholds & Notification)

1 To begin, click Add at the bottom of the window.



# Defining Rating-Time Bonus Item (Bonus Award or Offer Award)

1 To begin, click Add at the bottom of the window.





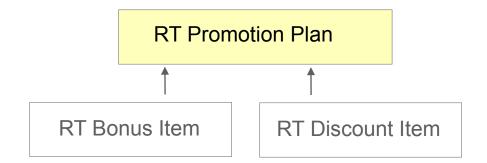
making YOUr network smarter

#### RT Promotion Plan



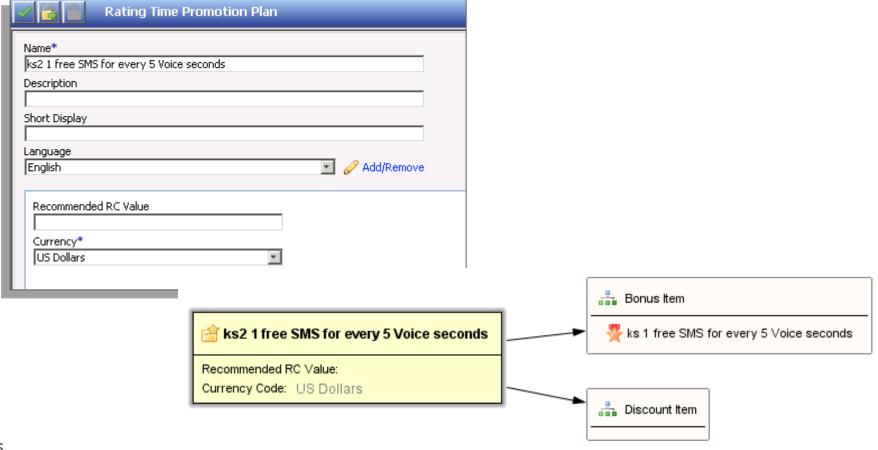
## Rating-Time Promotion Plan

- After defining the bonus or discount, package it in a rating-time promotion plan
- Plans are added to an offer for provisioning to the customer



## Defining Rating-Time Promotion Plan

- Consists of one or more of the following items:
  - Rating time bonus items
  - Rating time discount items



making YOUr
network smarter

**RT** Discount

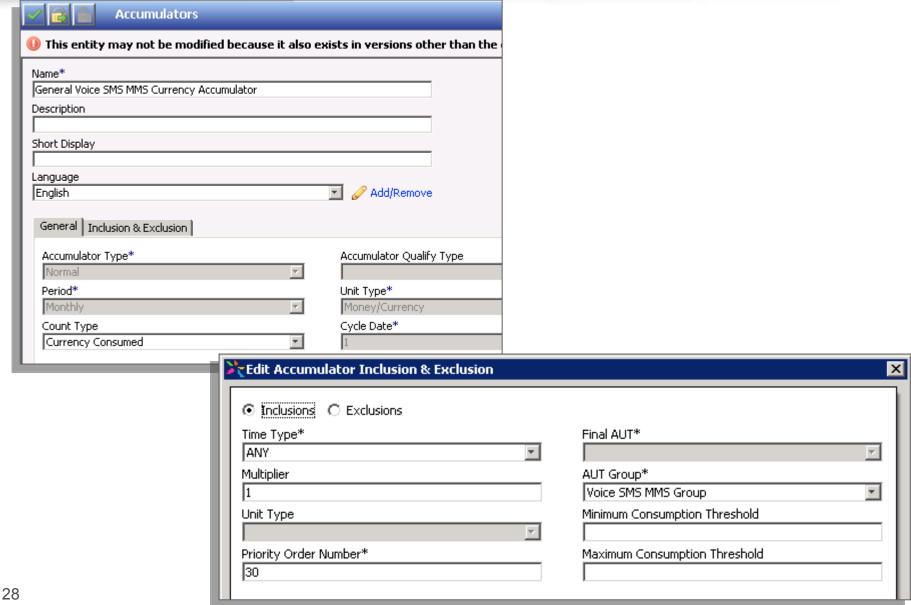


## Rating-Time Discounts

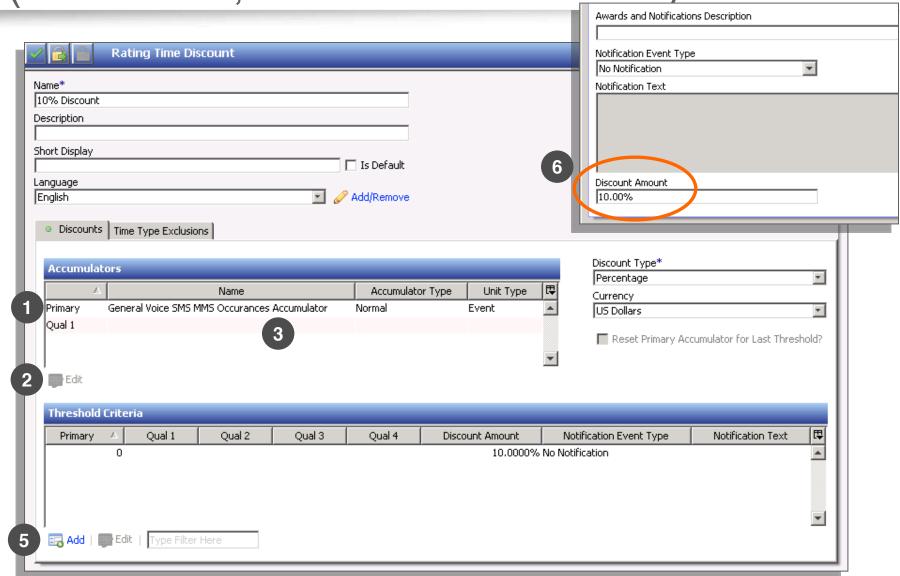
- Discounts are percentage or fixed-amount reductions in real time against the total charge of the event
- Only monetary balances can be discounted
- Discounts can be awarded to any activity or part of activity upon reaching predefined thresholds
- Discounts expire at the end of the period of the accumulator from which it was awarded



# Defining Discount (Accumulator)

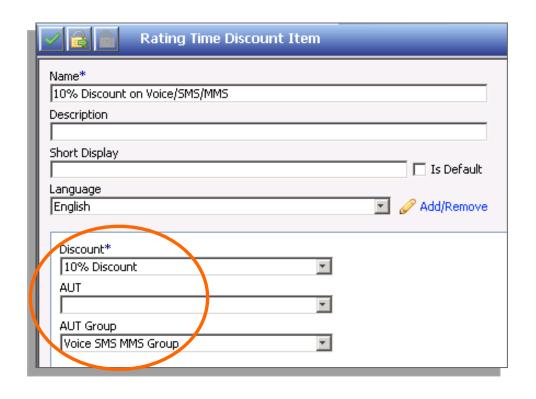


Defining Discount (Thresholds, Notification & Amount)



### Defining Rating-Time Discount Item

A rating time discount item associates a rating-time discount with a Final AUT or usage type group to be discounted





### Summary

- Rating-Time Promotions are discounts and bonuses that are calculated and issued as each usage event is rated; they allow subscribers to be rewarded upon reaching certain usage levels within a configurable period of time
- Discounts include percentage discounts or a fixed monetary amount
- Bonuses provide monetary awards or a bonus offer
- Accumulators measure the amount of usage an account or subscriber is consuming
- Promotion Plans package together discounts and/or bonuses, with the relevant accumulators

# Agenda

7.1 Rating-Time Promotions

7.2 Bill-Time Promotions

7.3 Recharge Control Table (RCT)



### Module Objectives

- Explain the difference between a Rating-Time Promotion and Bill-Time Promotion
- Match examples of BT promotions with their promotion types
- List the three main elements to configure a BT promotion

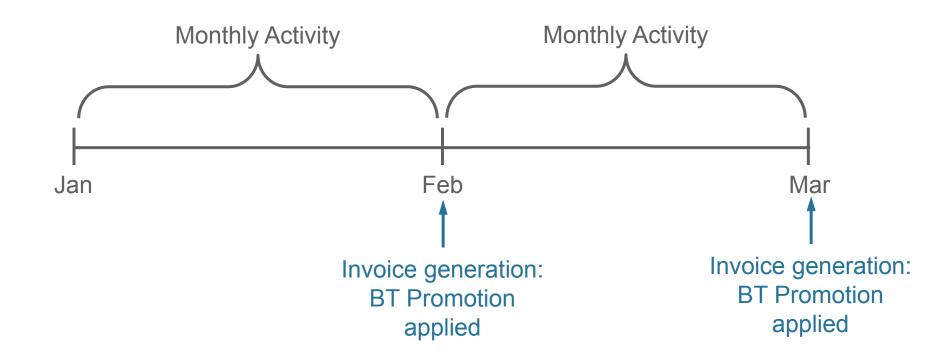
making YOUY network smarter

#### **BT Promotion Basics**

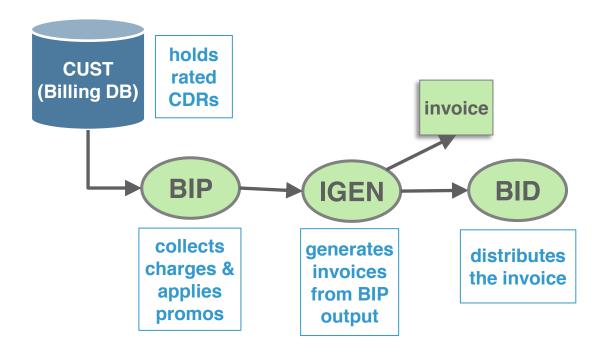


#### **Bill-Time Promotion Calculation**

- Discounts and unit credits are calculated and issued at the end of the bill period, when the invoice is generated
- Bill-time promotions do not use accumulators



# Billing Flow



#### **Bill-Time Promotions**

- Discounts can be percentage-based or a flat rate, incremental or tiered, or a grant for future usage
- BT promotions can apply to postpaid, converged, and even prepaid subscribers
- Promotion cycle can be based on any configurable period
- Can apply to all charges on an invoice or to a subset of charges
- Can apply across services
- Target (or restrict to) any group or type of charge or rate period
- Can apply across multiple subscribers within an account

## Simple BT Promotion Examples

- Standard examples per bill period:
  - 10% discount off the monthly subscription fee
  - \$50 rebate on a cellular device purchase
  - 15% off usage with a minimum threshold of \$150 in charges
  - 5% off 0 to 100 SMSs, and 10% off of more than 100 SMSs
  - 500 free MMSs every bill period
- Cycle-independent Free Usage examples not tied to bill period, available until used (expire only when the offer expires):
  - 100 minutes free for local calls
  - 20 free SMSs

## **Promotion Types**

- Comverse ONE offers many types of BT promotions:
  - Standard promotion (most common)
  - Free usage (cycle-independent)
  - Rollover unit credits
  - Commitment promotion
  - Hierarchy branch discount
  - Historic discount/payback
  - Global promotion
  - Bonus points

#### **Bill-Time Promotion Elements**

 BT Promotion Plans package together unit credits and/or discounts





#### Flow to Define Bill-Time Promotions

#### Define the main entities in this order:

- BT Discount Item or Unit Credit
- 2. BT Promotion Plan



making YOUr
network smarter

**BT** Discount



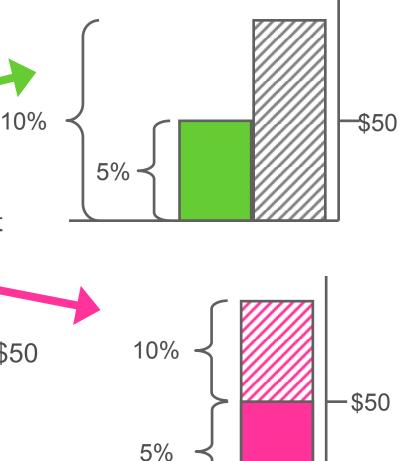
#### Bill-Time Discount Item

- A Bill-time Discount Item defines a cyclical (bill-time) discount as a percentage or a monetary amount off
- Defined by its targets and restrictions
- Applied to any charge domain (usage, RC, NRC)
- Can be calculated as Bulk, Incremental or other

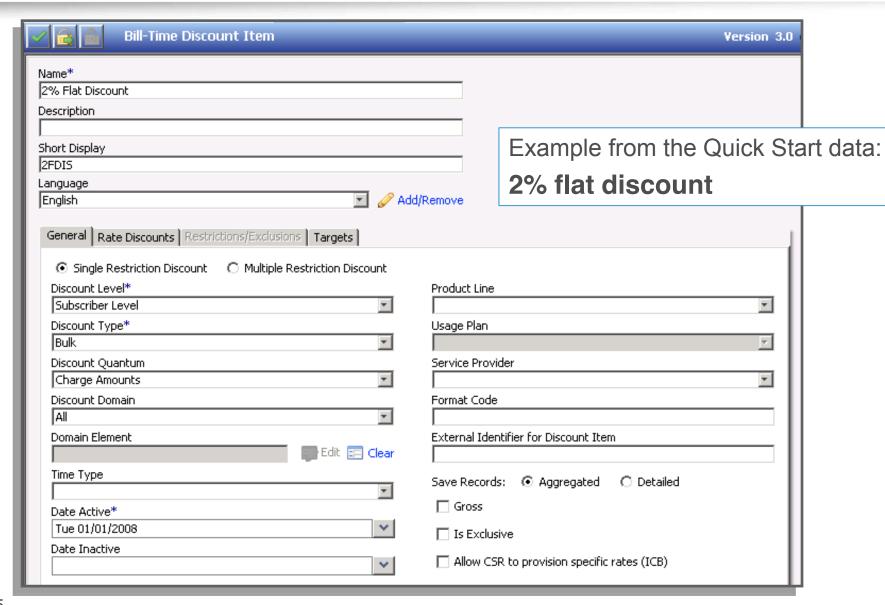


## Discounts Types / Examples

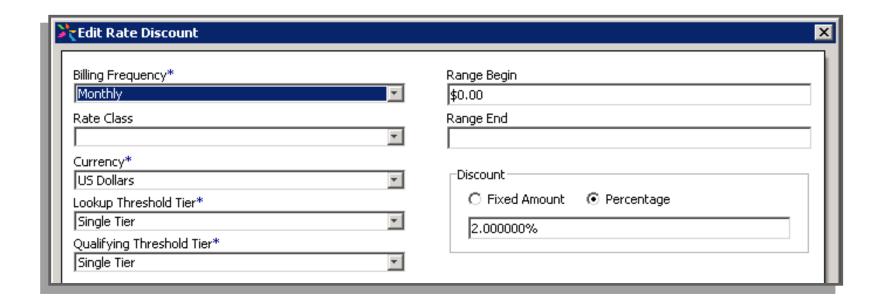
- Bulk (single rate)
  - 10% off
  - \$5 rebate
- Bulk multiple tier (rate ranges)
  - Up to \$50, 5% off entire amount
  - Or: Over \$50, 10% off entire amount
- Incremental (rate ranges)
  - 5% off first \$50
  - And: 10% off amounts greater than \$50
- Other types supported



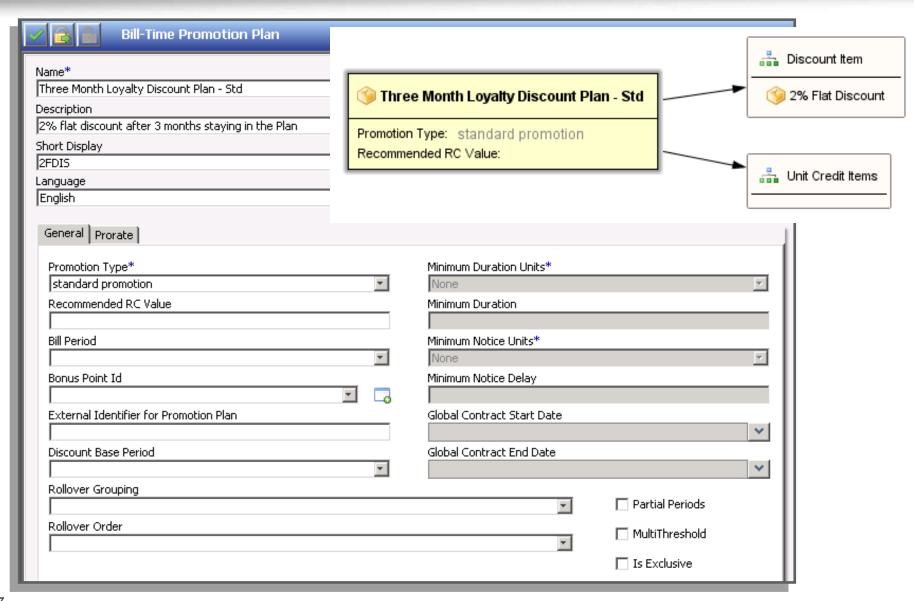
## Defining Discount Item (1)



# Defining Discount Item (2)



## Defining Bill-Time Promotion Plan



#### Bill-Time Discount Restrictions

- Used only when multiple restrictions or exclusions are required for a particular discount
- Restrictions/exclusions can be based on:
  - Charge Domain Time Type
- Product Line Unit Type
  - Charge Type Offer
  - Jurisdiction
     Others ...

#### Examples:

- 20% Off of Mobile Product Line for RC terms and Usage (but not NRCs)
- \$5 Back for Voice calls except for Off Peak and Weekends

## **Bill-Time Discount Targets**

- Creates discounts that are calculated based on one set of charges, but applied to a different set of charges
- These are called "Cross-Product Discounts"
- Examples:
  - 10% off Monthly Access if customer purchases a mobile phone
  - 5% off all RC terms if the customer spends at least \$50 on long distance usage
  - 5% off Internet charges if the customer spends \$100 or more on telephone charges

#### Multi-threshold Discount

- A multi-threshold discount is used when to combine two different quanta (i.e., amount and minutes) to qualify for a discount
- Two normal bulk-tiered Discount Items:
  - A 5% discount on RCs if the total cost of RCs in a month exceeds \$50
  - A 10% discount on usage charges if usage exceeds 100 minutes
- Combine them to form a Multi-tiered Discount:

Spend \$50 in recurring charges

AND 100 minutes of usage:

GET 5% discount on RCs

plus 10% discount on usage

making YOUr
network smarter

**BT Unit Credit** 



#### **Bill-Time Unit Credits**

Bill-Time Unit Credits (UCs) issue rewards to subscribers based on the usage and charges they accumulate

- Applies free usage or monetary rebate
- Applied to account or subscriber level
- May be dependent or independent of account bill cycle
- UCs are applied before currency balances are decremented

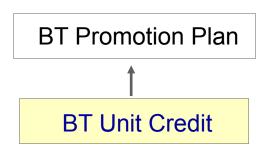
Bill-Time Unit Credits Example:

**Free Local Broadband Minutes** 

Residential – 500

Standard – 1500

Business - 2500



#### **Unit Credit Restrictions**

- Used only when multiple restrictions or exclusions are required for a particular UC
- Restrictions/exclusions can be based on:
  - Charge Domain
     Time Type
  - Product Line
     Unit Type
- - Charge Type
- Offer
- Jurisdiction
- Others ...

- Examples:
  - 200 free minutes for all calls except international calls
  - \$5.00 off all international calls associated with Jurisdictions A or B

making YOUY network smarter

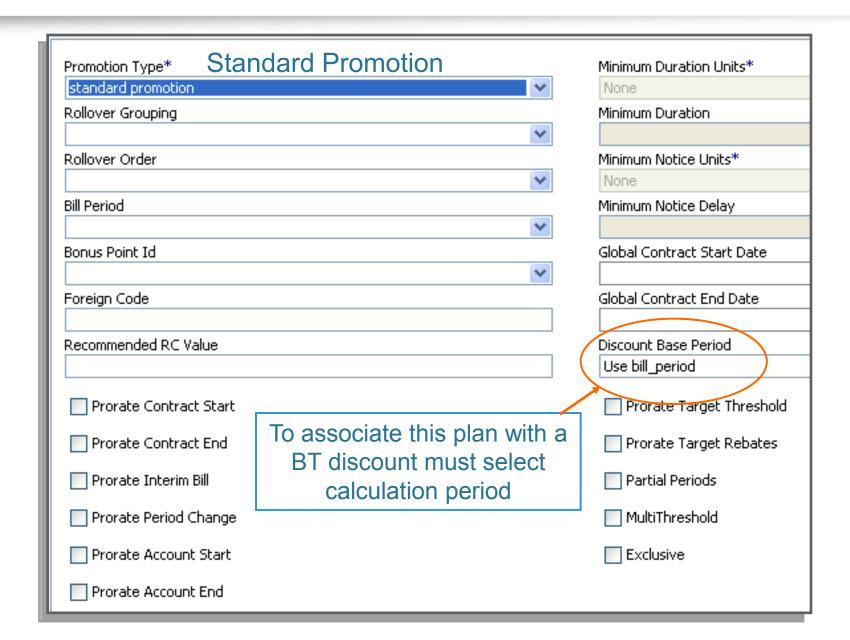
**Balance Template** 



## **Balance Template**

- A Bill-time Discount can be applied to a real-time balance by use of a Balance Template
- Built as a collection of balances the discount item could target
- Only monetary balances are involved (rating-time or bill-time)
- Allows setting the upper limit of the balance
- Required that the offer the discount is attached to includes at least one balance of the discount's balance template
- A standard bill-time promotion is created with a bulk discount at the service level to usage that will be applied to a monetary real-time balance

#### Loyalty Bonus Promotion Plan

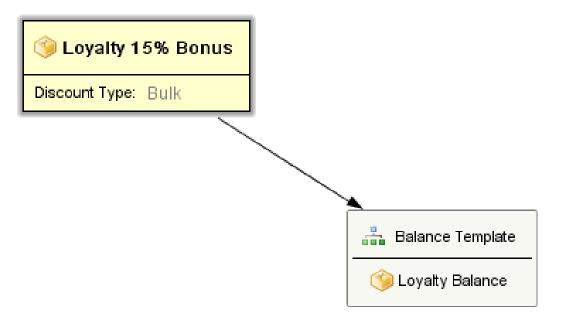


## Loyalty Bonus Balance Template Example

 This BT Item Balance Template associates the "Loyalty Balance" to the Discount Item called "Loyalty 15% Bonus"

By this association, the Bill Time Discount will get applied to a

real-time balance



## Summary

- Discounts and Unit Credits for Bill-Time Promotions are calculated and issued at the end of the bill period, when the invoice is generated
- There are several types: Standard promotion, Free usage (cycle-independent), Rollover, Hierarchy branch discount, Historic discount/Payback, Global, Bonus Points
- Promotion Plans package together discounts and/or unit credits; accumulators are not used

# Agenda

7.1 Rating-Time Promotions

7.2 Bill-Time Promotions

7.3 Recharge Control Table (RCT)



## Module Objectives

- Name the two balance attributes that can be affected by recharging
- Describe the difference between a "default" recharge and a recharge operation involving the Recharge Control Table (RCT)
- Given simple business scenario, configure the required rows in the RCT

making YOUY network smarter

Recharge Basics



## Recharge Basics

- Prepaid balances are replenished by recharging
- Recharging usually extends the balance expiration date
- The Recharge Control Table (RCT) modifies the behavior of a recharge
- Two recharge types are supported:
  - Voucher
  - Non-voucher
- Recharge requests can be made via:
  - IVR
  - USSD
  - Comverse ONE Self-Service
  - Customer Care
- Currency conversion is supported
- Recharges are not applied to shadow balances

## Default Recharge

- The most basic recharge operation only affects the core balance, and extends the expiration date of the balance (and thus the subscriber)
  - Face Value Amount added to the balance in a recharge
  - Face Offset Number of days by which the expiration date is extended during a recharge
- Example:
  - Face Value = \$10Face Offset = 30 days
  - This recharge operation adds \$10 to the core balance and extends the core balance expiration date by 30 days

## Recharge Grants

- A grant is an amount with an activate date and expiration date that deliver funds or units to non-cyclical balances
- Recharge grants are always available immediately they never have a deferred start date
- Grants awarded through a recharge have an expiration date tied to the balance expiration date – this can be extended by using a Face Offset

## Accumulating Recharge Events

- Recharges can be captured as events by accumulators, so that bonuses or discounts can be granted based on recharges
- Either the face value or the effective face value (with any core balance adjustment) can be used as the qualification

#### Example:

- A recharge event accumulator is configured to count recharges with a face value (FV) greater than \$50
  - Counted a recharge using a \$55 voucher
  - Not counted a recharge using a \$25 voucher with an effective value of \$55 (the RCT core value is configured as 100%FV + \$30)

## Recharge Control Table (RCT)

- Every recharge operation consults the RCT
- If a match is found between the characteristics of a specific recharge and an entry in the RCT, the effect of the recharge is changed
- If no match is found, only the core balance is recharged (in units of currency)
- Only one RCT entry can apply to any given recharge event
- Rows in the RCT are defined by Resellers

## RCT Examples

- Different subscribers recharging with the same amount can get different results, if different RCT criteria are met
- Examples:
  - A \$5.00 recharge replenishes the balance by \$6.00
  - Balance is extended by 15 days instead of 10
  - Affect multiple balances: a \$30.00 voucher replenishes the core balance with \$25.00 plus 100 SMSs to the SMS balance
  - Upon recharge, the subscriber's primary offer can be swapped for a different primary offer, or a supplementary offer can be added

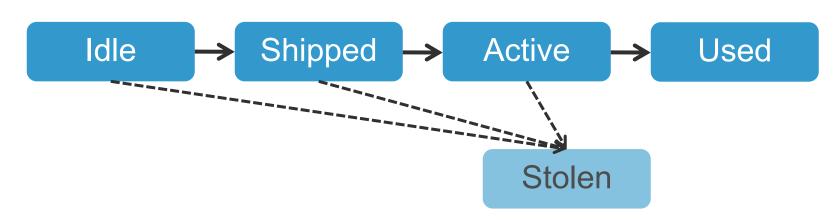
Learn how to configure the RCT later in this section.

## Recharge Access Methods

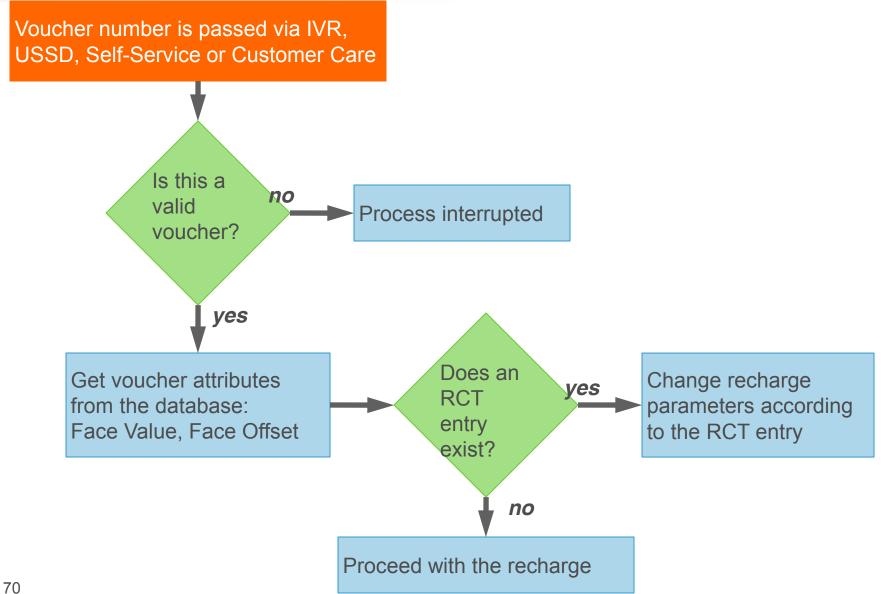
- Voucher recharge:
  - IVR
  - USSD
  - Comverse ONE Self-Service
- Non-voucher recharge:
  - Customer Care or third party system

## Voucher Recharge

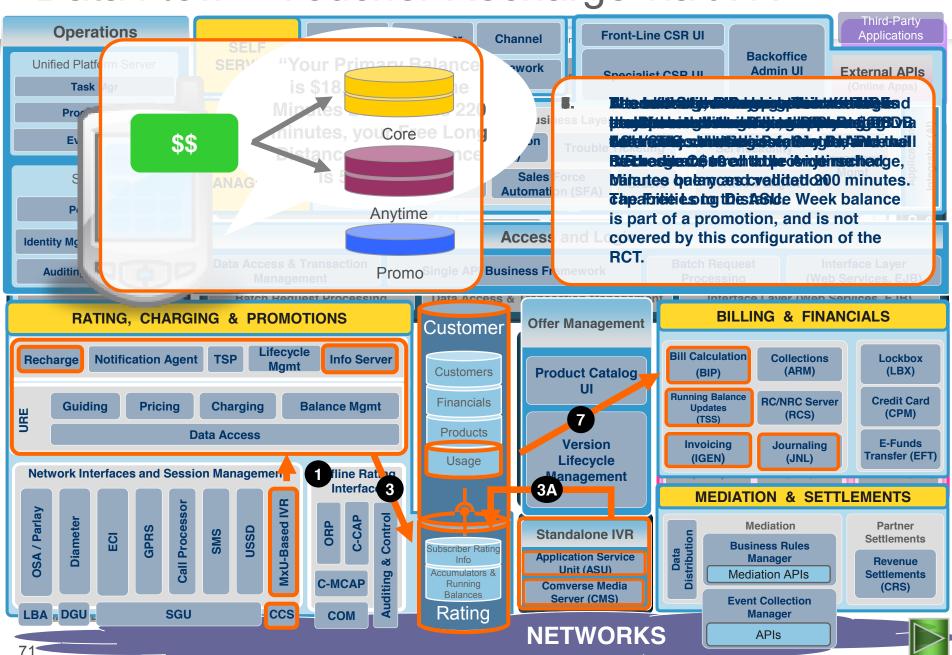
- A recharge voucher is a disposable card that subscribers buy at shops, kiosks, airports, etc.
- When a subscriber buys a voucher, the money is not available until the voucher is used
- Every recharge voucher has a corresponding record in the Comverse ONE database containing the face value, face offset, and identifying number
- Every card goes through a lifecycle of state transitions. The most common lifecycle is shown here:



## Recharge Process Flow – Voucher Recharge



## Data Flow – Voucher Recharge via IVR



## Non-Voucher Recharge

- In many countries operators are moving to an electronic solution. Instead of printing, recharges are compared against a list of valid voucher numbers
- Comverse ONE provides an API for non-voucher recharge, as part of the Unified API
- The recharge is performed by an external system
- Support for non-currency recharge requests via the non-voucher recharge API
  - For example, recharge with 100 SMS units

### Recharging Account-level Balances

- The recharge process is the same as for subscriber-level balances, except:
  - Account-level recharges must be done with the RCT
     (Remember that in a default recharge the Face Value and Face
     Offset are applied to the core balance, and accounts do not
     have a core balance)
  - A recharge cannot be used to modify an account's billing state or rating state

Note: Only accounts with an Active rating state can be recharged

making YOUr network smarter

Configure the Recharge Control Table (RCT)



#### **RCT Basics**

- The RCT modifies the behavior of a recharge
- The RCT is made up of multiple rows, ranked by priority
- When a recharge is performed, the RCT is searched row by row, starting with the first row, for a match between the recharging conditions and the RCT matching criteria
- If a match is found, the characteristics of the recharge are changed according to other information in that RCT row



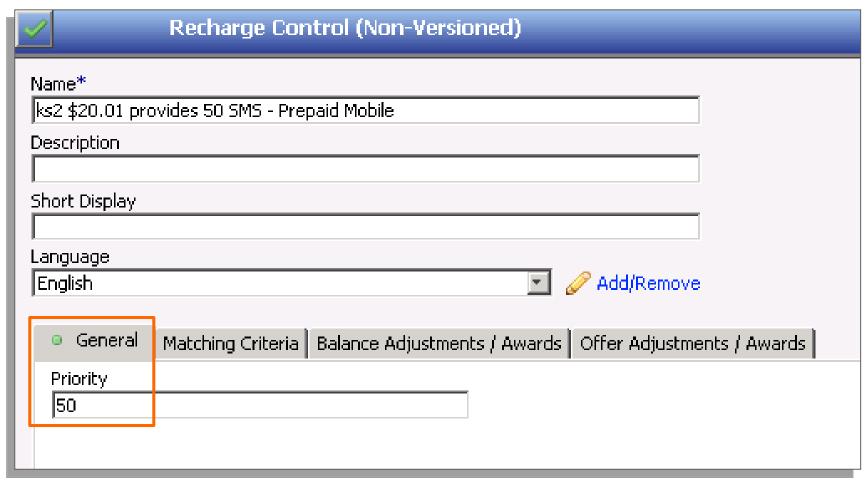
	Batch Number Offer -1 ks2 Prepaid Mobile		Reseller	Application	Entity Type	Currency
			SHAPE Reseller	ANY	Subscriber	US Dollars

Note: To make testing easier, in class we will configure:

\$20.01 recharge (linked to our PO) provides 50 SMSs

### Defining General Tab

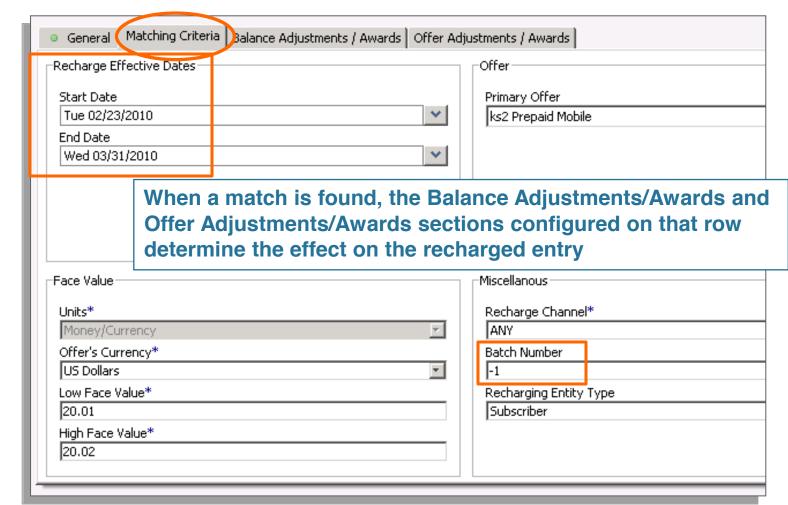
 Contains only the row Name and Priority field, which specifies the order in which the row is search for a match



# Defining Matching Criteria Tab

Contains information about the conditions of the recharge;
 how the system differentiates how a recharge is applied

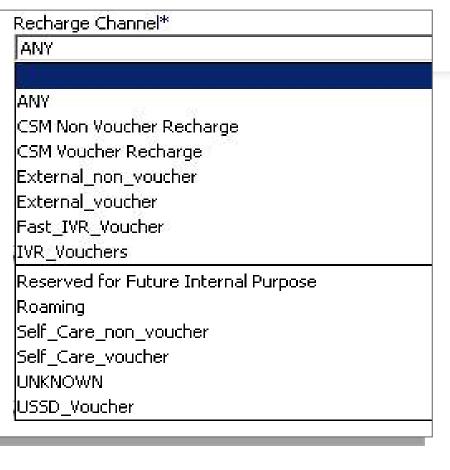
Dates are required fields



Batch Number is required

# Recharge Channels

- This example is from the Quick Start data
- For a Comverse-generated voucher, the channel is:
  - IVR\_Voucher
  - USSD\_Voucher or
  - Fast\_IVR Voucher
- For a third-party type of recharge (e.g., customer's kiosk), the operator can choose the Recharge Channel. Any value can be passed in, as long as it's been provisioned in the system



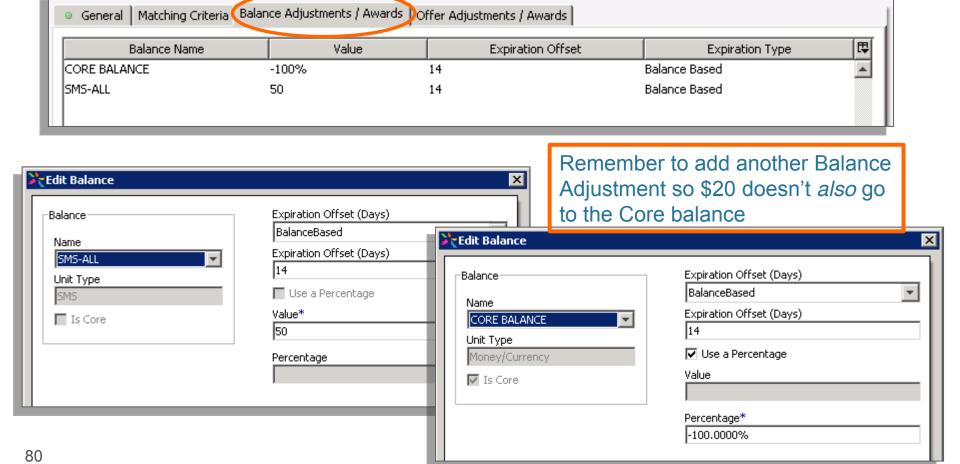
# Example RCT Matching Criteria

	Recharge Date		Face Value								Currency
Row#	Start	End	Low	High	Units	Batch	Primary Offer	Reseller	Application	Sub / Acct	(of entity being recharge d)
EX 1a	01-May- 08	01-Jun- 08	ANY	ANY	Currency	-1	ANY	Reseller 1	ANY	Sub	ANY
EX 1b	01-May- 08	01-Jun- 08	ANY	ANY	Currency	-1	ANY	Reseller 1	ANY	Acct	ANY
EX 2	ANY	ANY	20.00	30.00	Currency	-1	ANY	Reseller 1	ANY	Acct	USD
EX 3a	ANY	ANY	ANY	ANY	SMS	-1	ANY	Reseller 1	ANY	Sub	ANY
EX 3b	ANY	ANY	ANY	ANY	SMS	-1	ANY	Reseller 1	ANY	Acct	ANY
4	ANY	ANY	ANY	ANY	Currency	1234	ANY	Reseller 1	ANY	Sub	ANY
5a	ANY	ANY	ANY	ANY	Currency	-1	ANY	Reseller 1	USSD	Sub	ANY
5Ь	ANY	ANY	ANY	ANY	SMS	-1	ANY	Reseller 1	USSD	Sub	ANY
5c	ANY	ANY	ANY	ANY	MMS	-1	ANY	Reseller 1	USSD	Sub	ANY
5n	Repeat for each recharge units supported										
6	01-Jan- 08	02-Jan- 08	22.00	22.01	Currency	-1	PRI01	Reseller 1	IVR	Sub	USD

End Date ranges are exclusive (cannot be the same as the Start Date). So the month of May = May 1 - June 1.

### Defining Balance Adjustments/Awards

- Contains information on how a recharge affects balances
- For example, recharge a different balance and/or change the expiration of the balance



### Example RCT Balance Adjustments/Awards

In each of these examples, assume that a recharge voucher with a face value of \$15.00 is used.

The "RCT Entry" column below represents the **Value** or **Percentage** field in Product Catalog.

Example	Co	ore Balance	Other Balances					
	RCT Entry	Value Added to Balance	Balance Name	RCT Entry	Value Added to Balance			
1	+\$5.00	+\$20.00	N/A	N/A	N/A			
2	0	+\$15.00	Bal10	+5 SMSs	+5 SMSs			
3	0	+\$15.00	Bal20	+100% FV	+\$15.00			
4	-100% FV	No Change	Bal10	+100% FV	+\$15.00			
5	+10% FV	+\$16.50	Bal11	+5% FV	+\$0.75			
6	-\$20.00	No Change	Bal11	+\$20.00	+\$20.00			

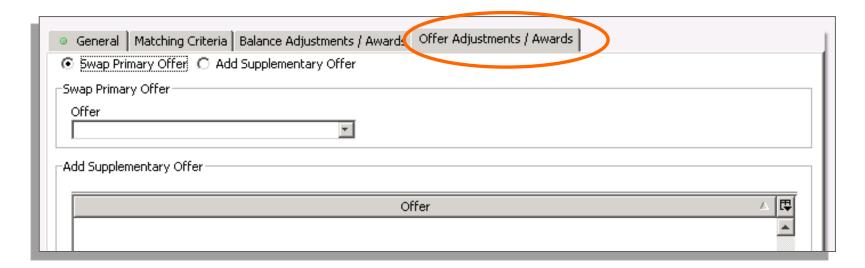
### Example RCT Balance Expiration Adjustments

In each of these examples, assume that a recharge is performed with a voucher having a face value of \$15.00 and a face offset of 30 days

_	Es Com Polomo					Other Belgeres					
Ex.	Core Balance				Other Balances						
	RCT Entry	Value Added to Balance	RCT Offset Entry	Expiration Offset (Days)	Balance Name	RCT Entry	Value Added to Balance	RCT Offset Entry	Expiration Offset (Days)		
1	+\$5.00	+\$20.00	+10 days	+40 days	N/A	N/A	N/A	N/A	N/A		
2	0	+\$15.00	0	+30 days	Bal10	+5 SMSs	+5 SMSs	+7 days	+7 days		
3	0	+\$15.00	0	+30 days	Bal20	+100% FV	+\$15.00	+20 days	+20 days		
4	-100% FV	No Change	0	No Change	Bal10	+100% FV	+\$15.00	FV offset	+30 days		
5	+10% FV	+\$16.50	0	+30 days	Bal11	+5% FV	+\$0.75	+15 days	+15 days		
6	-\$20.00	No Change	-20 days	10 days	Bal11	+\$20.00	+\$20.00	+20 days	20 days		

# Defining Offer Adjustments/Awards Tab

- Contains information on how the recharge affects the recharge entity's offers
- For example:
  - The subscriber's primary offer may be swapped with another primary offer
  - Supplementary offer(s) may be added to the subscriber or account



#### Summary

- Prepaid balances are replenished by recharging
- Recharging usually extends the balance expiration date
- Every recharge operation consults the Recharge Control Table (RCT); if a match is found between the characteristics of a specific recharge and an entry in the RCT, the effect of the recharge is changed