Notes for RBPS

General

only go by the promulgation date because they don't store the notification letter date.

confident code

[confident code](#)

To run our unit tests

```
jruby -S buildr clean test junit:report emma:html rbps:javancss:html
rbps:checkstyle:html rbps:pmd:rule:html rbps:pmd:cpd:text 2>&1 | tee out
```

findbugs

```
jruby -S buildr rbps:findbugs:html 2>&1 | tee out
```

The output should be in `projectDir/reports/findbugs/findbugs.html` Probably more configuration could be done in the `projectDir/etc/findbugs/filter.xml` file.

I had to edit the findbugs.rb file to get rid of an error. On my machine it's in `C:\dev\jruby-1.6.7.2\lib\ruby\gems\1.8\gems\buildr-1.4.7-java\addon\buildr`. Change the line:

```
if options[:extra_dependencies]
```

to

```
if options[:extra_dependencies] && false
```

I'm not sure I have the right xsl file, so the output in html format looks like it's missing stuff, but

the xml file has everything you need.

Also, the auxiliary jar files aren't added to the findbugs command - there seems to be a bug there, so findbugs complains that w/o that info, it can't do full analysis. If I stayed here, I'd fix it later.

pmd rules

```
jruby -S buildr rbps:pmd:rule:html 2>&1 | tee out
```

The output should be in `projectDir/reports/pmd/pmd.html`

pmd cpd (copy / paste detector)

```
jruby -S buildr rbps:pmd:cpd:text 2>&1 | tee out
```

The output should be in `projectDir/reports/pmd/cpd.text`

Most of the duplication it finds is in the mapping code, which is useless. The ant task has a way to filter out certain files, but the buildr task doesn't. Since it's built on top of the ant task, we ought to be able to add that so we could filter out the mapping files.

I'd just as soon filter them for all the other code metrics tasks here.

checkstyle

```
jruby -S buildr clean rbps:checkstyle:html 2>&1 | tee out
```

The config file is in the projectDir/etc/checkstyle/checkstyle.xml

Many options can be configured in this file. The more options you check, the tighter the control over the code.

The output will be in `projectDir/reports/checkstyle/checkstyle.html`

javancss

```
jruby -S buildr rbps:javancss:html 2>&1 | tee out
```

[javancss intro](#)
[blog about javancss](#)

If you have a report open in firefox, it screws things up.

The output will be in `projectDir/reports/javancss/javancss.html`

How to compile just the client project

```
jruby -S buildr clean rbps:client:compile 2>&1 | tee out
```

To run the build continuously

```
jruby -S buildr cc
```

This should be run in a separate console window. It will rerun the portions of the build that are affected when you save java files. This is only a best guess, but it's a good start.

How to run the ant build

1. `cd rbps-build-and-deploy`
2. `ant -f rbps-build.xml && done -t build`

Junit notes

- PoaPopulatorTest - should be converted to use a response.xml
- GeneratePdfTest - should look at testing the generated html to make sure the stuff is there that should be there.
- EP130ClaimPostProcessorTest - need to mock out the claims processor helper
- RbpsValidatorTest - need to add more tests, was gutted.
- GeneratePdfTest is where a good part of the lettergen testing is done. You have to manually examine the pdf files generated. They'll be in the temp dir. On my machine that's c:\Temp.

The tests try to explain what to look for in the pdf file. It would be nice to use something like XPath to make sure the html generate is right so that a manual examination of the pdf files isn't necessary.

Interesting facts about omnibussing awards

- SCHATTB is omnibussed except if it starts on the 18th birthday
- SCHATTT is omnibussed, but other termination dates aren't.

Stuff to tell Ashok/Nain for the next release

- Added properties

- Modified property

- Deleted property

- Now calling modified WS, must be installed in webtest

good procids for devl

- 8744
- 1141
- 1241
- 2222
- 2341 - tests flexible SOJ
- 1041 errors, but still useful.

Environment variables

Var	Value
ANT_HOME	C:\Documents and Settings\vafsccorbit\My Documents\codeDownloads\ant-1.6.5

Var	Value
GROOVY_HOME	H:\Groovy-1.8.0
JAVA_HOME	c:\dev\jdk1.6.0_23
JRUBY_HOME	c:\dev\jruby-1.6.4
Prompt	$P $_ $D $T $G $S
RUBYLIB	c:\dev\ruby\lib
JRUBY_OPTS	--1.9

Things to change in the code base

- Get rid of the damn ClaimValidatorFactory
- FindDependencyDecisionByAwardPopulator needs to be split in two
- FindDependentOnAwardWSHandler doesn't seem to be used.
- DependentOnAward needs splitting
- Fix the filtering in the pre processor to accumulate errors.
- get the corporate id earlier - in th pre processor - cq 233
- get rid of the validation factory
- get rid of any unused interface
- Get the rest of the xom utils java code into java code and out of rules strings.
- ~~in the client project, fix the packages so they don't confict with packages in other projects.~~
- The FindMailingAddressWSHandler doesn't seem to be used.
- Move the "evaluateDepentOnAwardStatus" call up higher and move the call to the child type filter back into the RbpsFilter.
- We have a lot of duplicate code that needs to be reviewed that deals with dependency decisions, denied/removed/onAward, etc.
- UpdateBenefitClaimDependentsWSHandler - don't send a request if there are no dependents to add.
- If there are no dependents to add to the corporate database, ... Karma and I had talked about something...
- Add the @NotNull and @Null annotations to method parameters and returns. Use them in both the ide and code metrics tools.

cut and paste in gvim on windows

If you happen to be using gvim for Windows and want to copy or cut into the Windows clipboard, press Ctrl+Insert to copy, or Shift+Delete to cut. To paste from the Windows clipboard, press Shift+Insert.

JRuby gems to install

jruby -S gem install [gem names]

- active_support
- awesome_print
- buildr
- buildr-jaxb-xjc
- colorize
- flying_saucer
- hirb
- wirble
- redcarpet
- ruby_gntp
- rspec
- savon
- slop

Edit the buildr-jaxb-xjc file to get rid of an error. On my machine it's
`C:\dev\ruby\jruby-1.6.7\lib\ruby\gems\1.8\gems\buildr-jaxb-xjc\lib/buildr_jaxb_xjc`
. Remove the line "require 'buildr/java'"

You'll need the wl directory from Karma.

Ruby gems to install

gem intall [gem names]

- active_support
- albacore
- awesome_print

- buildr
- colorize
- hirb
- wirble
- redcarpet
- rspec
- `ruby_gntp`
- savon
- slop
- win32console

bugs proposed to fix in next release

- 211 - child under 2 with no ssn
- 232 - get num dependents in what we decided based on all on award.
- 233 - get corporate id earlier
- 235 - handle already on award/denied/CQ 266/674

Contacts

Name	Type	Phone
Ashok Sahoo	Work	708-681-6970
Danielle Gervallis	Work	202-461-9077
Howard Moy	Office	708-681-6995
Justin Holloway	Work	202-461-1463
Kris	Blackberry	512-820-7733
Kris	Cell	512-663-8915
Linda Ciston	Work	813-367-3382

Name	Type	Phone
Pam	Cell	512-868-7002
SIO	VANTS	18499
Tom Corbin	Work	512-460-5637

Definitions

Term	Definition
A&A	**A**id and **A**ttendance Benefits
ALF	**A**ssisted **L**iving **F**acility
BDN	**B**enefits **D**elivery **N**etwork - legacy system vetsnet is replacing
CEST	**C**laims **EST**ablishment
DEA	**D**ependents **E**ducation Assistance
EP	**E**nd **P**roduct (code)
EVR	**E**ligibility **V**erification **R**eport
FNOD	**F**irst **N**otice **O**f **D**eath
FTS	**F**older **T**ransfer **S**ystem - when folders need to be moved from one RO to another. Sometimes that happens when one RO is very busy and another isn't.
GAO	**G**enerate **A**ward **O**verride
LGY	**L**oan **G**uarant**ee**
MAPR	**M**aximum **A**nnual **P**ension **R**ate

Term	Definition
MER	**M**edical **E**xpense **R**eport
NH	**N**ursing **H**ome
OFO	**O**ffice of **F**ield **O**perations
PMAS	**P**rogram **M**anagement **A**ccountability **S**ystem
RFAC	**R**equest **f**or **A**rchitecture **C**hange
RO	**R**egional **O**ffice
shrinqf	**SH**a**R**e **INQ**uiry f
SOJ	**S**tation **O**f **J**urisdiction
SMIB	**S**upplementary **M**edical **I**nsurance **B**enefit
VBBGS	**VB**A **B**enefits **G**ateway **S**ervice
VonAPP	**V**eteran's **On**line **App**lication for Benefits
WEAMS	**W**eb **E**nabled **A**ccreditation **M**anagement **S**ystem

People

Name	Location	Job	Organization
Ashok Sahoo	Hines, IL	Installs	
Barbara Jones-Odell		Ashok, Nain's boss.	
Cory Easley	AITC	Share GUI/Web Services	Target Programming Team 4

Name	Location	Job	Organization
Danielle Gervallis	D.C.		
Jeff Ivy	St. Pete		
John Dell			VETSNET Mapd
John Maser	St. Pete	Helps Linda	VETSNET Oracle Team
Justin Holloway	D.C.	OBPI RBPS Project Lead	
Kathy Hudson			ORM
Lance Lundquist			VDC
Linda Ciston	St. Pete		VETSNET Oracle Team
Linda Heusack		Product Development IT Specialist	VETSNET Product Support Team 2
Rob Benson	AITC	Share GUI/Web Services	Target Programming Team 4
Sara Wear			OSP

Regional Offices

Station Id	Name	Station Id	Name
301	Boston, MA	331	St. Louis, MO
304	Providence, RI	333	Des Moines, IA
306	New York, NY	334	Lincoln, NE
307	Buffalo, NY	335	St. Paul, MN

Station Id	Name	Station Id	Name
308	Hartford	339	Lakewood/Denver, CO
309	Newark, NJ	340	Albuquerque, NM
311	Pittsburgh, PA	341	Salt Lake City, UT
313	Baltimore, MD	343	Oakland/San Francisco, CA
314	Roanoke, VA	344	Los Angeles, CA
315	Huntington, WV	345	Phoenix, AZ
316	Atlanta, GA	346	Seattle, WA
317	St. Petersburg, FL	347	Boise, ID
318	Winston-Salem, NC	348	Portland, OR
319	Columbia, SE	349	Waco, TX
320	Nashville, TN	350	Little Rock, AR
321	New Orleans, LA	351	Muskogee, OK
322	Montgomery, Al	354	Reno, NV
323	Jackson, MS	355	Hoto Rey/San Juan, PR
325	Cleveland, OH	358	Manila, Philippines
326	Indianapolis, IN	362	Houston, TX
327	Louisville, KY	372	Washington, DC
328	Chicago, IL	373	Manchester, NH
329	Detroit, MI	377	San Diego, CA
330	Milwaukee, WI		

Station Id	Name	Station Id	Name
REGIONAL OFFICE	AND	INSURANCE	CENTER
310	Philadelphia, PA		
FOREIGN OFFICE	OUTPATIENT	CLINIC & RO	
358	Manila, Philippines	358	Manila, Philippines
		463	Anchorage, AK
REGIONAL OFFICE	AND	MEDICAL	CENTERS
402	Togus, ME	442	Cheyenne, WY
405	White River Junction, VT	452	Wichita, KS
436	Fort Harrison, MT	459	Honolulu, HI
437	Fargo, ND	460	Wilmington, DE
438	Sioux Falls, SD		

Standalone 674 from share

is broken because the following is missing: SSN birthday spouse DOB

Setting up eclipse for a new RBPS version/project

1. Open the "Serena" perspective.
2. Open "Eclipse Project Containers"
3. Find "RBPS:RBPS-R1[rbps-r1]"
4. Open it
5. RMB click on "RBPS:RBPS-R1.3"
6. Choose "add to workspace as"
7. Add as project

8. In Package Explorer, open the new projectÆs properties
9. Convert to a faceted project (in the project facets part)
10. It should choose for it to be a java project.
11. In the java build path, add the source folders as in the screenshot
12. In the java build path, add all the libraries from the ear sub project
13. I added log4j-1.2.15.jar
14. I added axis.jar and jaxrpc.jar from the rpc-client project to the jar files

ITA process

1. goes to obipi
2. assigns priority
3. goes to tina edwards (BA)
4. she does BA portion
5. goes to scrumm meeting
6. they do development and testing apportion points assignment

shortest turnaround is 6 week sprint for service

Release 1.2

Interesting sql for the signer's name

```
SELECT *
FROM stn_prfil_detail d
WHERE
d.letter_signtr_title_txt LIKE '%Service Center%'
OR d.letter_signtr_title_txt LIKE '%SERVICE CENTER%'
OR d.letter_signtr_title_txt LIKE '%VSCM%';
```

Outstanding Questions

1. VDC putting COMP instead of CPL for pgm_type_cd

   Sent to Lance Thursday@10am

Again Monday@3:30pm
It's hard coded, Justin's substitute will deal with it.

Phase 2

The project team needs updating!

- EP 150 - Medical Expenses (MER)
- EP 155 - EVR - Eligibility Verfication Report Processing (EVR)
- The St. Paul VARO serves nearly one-half million veterans in geographic Minnesota with over $500 million in VA benefits annually from compensation, pension, and vocational rehabilitation programs.
- One RO will get 30,000 EVR between Jan and Feb each year.

In scope

- Retrieving EP150 and EP155 claim types from the corporate database.
- Enhancing automated processing for EP150 and EP155 by applying a set of rules.
- Handling exceptions
- Making award determinations based on the following types of information.

    - Service-related Disability(ies) Information
    - Non-Service Connected Pension Information
    - Veterans Information
    - Active Duty Service Information
    - Marital and Dependency Information
    - Dependent Child(ren) Information
    - Other VA Benefits Information
    - Military Retired/Severance Pay Information
    - Wage and Income Information
    - Net worth Information
    - Medical, legal and other expenses Information
    - Nursing Home/Medicaid Information
    - Aid and Attendance/Housebound Information
    - Award Information
    - Apportionment Information

- Interfacing with Social Security Administration using current VBA interface to retrieve and

verify SSI, SSDI, RSDI income for EVR.

- Intefacing with VBA Corporate Database Claim and Award tables
- Interfacing with VETSNET suite of applications (SHARE, eBenefits, VonApp, Virtual VA, MAP-D, EVR)
- Recording all claim outcomes and provide decision information to the Awards service.
- Generating correspondence for all actions requiring development or actions resulting in award or denial.
- Interfacing with Virtual VA document repository.

Out of scope

- Modifying the existing VBA source systems

Constraints

- VonApp cannot provide Medical Expense Types in standard electronic format

Project Assumptions

- VBA will be responsible for Certification & Accreditation of the system.
- All information from eBenefits electronic submissions and SHARE will match paper claim data.
- VBA will review all business rules for adherence to applicable laws and guidance.
- VBA will conduct traceability on each business rule to applicable laws and guidance.
- VBA will provide the necessary technical specifications and resources.
- VBA will set up the development, testing, and production environments.
- VBA will have the necessary interfaces properly be in place (SHARE, VonApp, Awards, MAPD, SSA, EVR).

System Assumptions

UC-10 - probably shouldn't metion Work List

EP290 is fugitive felon match, social security prison match and BOP prison match

Reused:

- User info û not sure if there will be changes needed or not.
- Award state
- Find military pay
- Update benefit claim label
- Find benefit claim (to translate the vonapp claim id to a corporate claim id)
- VnpProcUpdate to set the claim status
- ClaimantWebService

    - findPoa?
    - findFiduciary?
    - findFlashes (to see if there is an attorney fee agreement)
    - findDependents

- Mapd û to create a note
- StandardDataWebService

    - Find regional offices?
    - Find signatures?

Questions

1. When would the claimant not be the veteran?
2. Are we validating the SSN format?
3. Why would we get an EP 154 to reject? Won't that be filtered by User Info? (EP 150 UC-01)
4. What is EP600 for?
5. Will we need to filter for EP290/600/155 or will User Info do it?
6. Will User Info include the form 21-8416 info?
7. Does User Info validate that the first/last name on the form match what's in corporate for the file number or will RBPS.
8. What's an EVR diary?
9. (150 UC-02) What if they chose "member of household" in eligible dropdown? We've not handled that before.
10. (150 UC-03) What is the $90 medicaid rate and why is it only for some periods.
11. (150 UC-03) What is a period of entitlement to compensation during the MER period?
12. (150 UC-03) What is SMIB? SSA? we can get from a web service?
13. (150 UC-03) What is ALF, NH, A/A/HB?

1. ALF - Assisted Living Facility
2. NH - Nursing Home

14. (150 UC-03) EVR is apparently a year end thing, what about MER-28? what is meant by the previous calendar year (step 8).
15. (150 UC-03) I'd like to see the provider field UI, I'm a bit confused about the general v. specific provider. MER-29.
16. (150 UC-03) MER-30: what does this mean: "combine unreimbursed and current year's continuous amounts". Why would these be combined? Wouldn't some continuing expenses have been reimbursed?
17. (150 UC-03) MER-31: How do we do the computation of the total amount of continuous MER that can be applied for the next calendar year?
18. (150 UC-03) MER-31: What is the purpose field?
19. (150 UC-03) MER-31: What is a max rate claimant?
20. (150 UC-04) MER-34: What does this mean, "Verify the SSA Interface file to the Corporate Data under the income screen for the dollar match"?
21. (150 UC-04) MER-35: What is PCLR EP mean?
22. (150 UC-04) MER-35: What letter do we send in this situation?
23. (150 UC-05) MER-39: Will AWARDS do the omnibus calc or will RBPS?

24. (150 UC-05) MER-40: How does the SS COLA calc work?

25. (UC-10) What do we do about benefit type being "improved pension" or "compensation"

26. (EVR-13) What is "EVR complete"?

27. (UC-12) Why are Medical Expenses related to deductions?

28. (UC-12) What is the entitlement date?

29. (MER-32) What if the Vet has a $10K increase and has already hit the max amount?

30. (UC-12 TRule MER 10) why only check the spouse and not kids?

31. (UC-12 TRule MER 26) Why is not paying a SMIB a reason for denial?

32. (TRule MER 21 and TRule MER 24) These seem very similar except for the $90 thing and the Max Rate. Is that intentional? If so, what's the intent?

33. (TRule MER 26 and TRule MER 27) These seem very similar. Is that intentional? If so, what's the intent?

34. (TRule MER 27 - and in a number of places) What is meant by PCLR EP? I assume it's

"pclear" that I've heard Pam and Sweta talk about, but what is the effect of that and how does RBPS do that?

35. (TRule MER 29) What is meant by "December line"? If SS COLA will cause a decrease (why would an SS COLA cause a decrease?) on the 12/1 rate, do not apply until the January rate. If the rate is less that what was paid on the previous January send to exception.

36. (TRule MER 30) What does it mean to find the provider name in the system?

37. What is the EVR web service? How do we find info on it? Is it really a separate application?

38. (TRule EVR 01) What does "EVR Reporting Period to current system date" mean?

39. Does AWARDS need to change for phase 2?

Need to figure out how to get this info:

1. If there are other EP 150 claims pending.
2. (UC-10) There are no EP290/EP600/EP155 claims pending.
3. (UC-10) Is the veteran living?
4. (UC-10) Is the veteran incarcerated in the last XX months? or institutionalized
5. (UC-10) Active Live Improved Pension award is current and is not suspended or terminated
6. (UC-10) Have Replace Gross Rate and Add to Gross rate been used on the corresponding current award.
7. (UC-10) is Veteran and/or Dependents receiving SSI, SSDI, RSDI income types?
8. (UC-10) active duty service info: when started, released, separation reaon, etc.
9. (UC-10) Severance Pay info. (May be part of findMilitaryPay WS we already call)
10. (UC-10) Income/Net Worth Info. Form info?
11. Is there an EVR Diary control
12. (150 UC-03) is this an initial year issue? Look at dates for medical expenses. Not sure what that means.
13. (150 UC-03) is the Veteran receiving $90 Medicaid rate, and for what period?
14. (150 UC-03) is the Veteran a max rate claimant?
15. (150 UC-03) is there a period of entitlement to compensation during the MER period.
16. (150 UC-03) is there SMIB paid with SSA, and how much? This must come from the SSA so we can verify what's on the form.
17. (150 UC-03) what are the valid expense types? Or a list of all MER types?
18. (150 UC-03) related to ALF/NH, is there a rated or admin decision for A/A? What is the decision? What is the name of the facility (provider)? In the corporate database?
19. (150 UC-04) How do we find the income data for the veteran?

20. (150 UC-05) MER-40 How do we find out what was paid the previous January?
21. (150 UC-05) MER-38 How do we find out if the Veteran has hardship expenses?
22. (UC-12) "total medical expenses reported year" increased by $10,000 from "last year reported"
23. (UC-12 TRule MER 4) # months SMIB was paid
24. (UC-12 TRule MER 5) whether continuous expenses are to be paid next year?
25. (UC-12 TRule MER 9) is Veteran housebound or requires aid and assistance?
26. (MER 12) if there is a period of compensation entitlement?
27. (MER 13) the medical purpose? (part of UserInfo?)
28. What is the value of the MAPR? Needed to see if expenses are 5% of MAPR.
29. (TRule MER 30) how do we find the provider name in the system?
30. What is the EVR web service? How do we find info on it? Is it really a separate application?
31. What is the SSA web service? How do we find info on it?

Stuff to hand off

1. WeÆre creating a branch so we can start coding for the first 2.0 release. This will give Karma and Raja more background on some of the bookkeeping tasks in Dimensions, including how to make a baseline.
2. I have had Karma make some particular code changes and made him simulate the release process for those changes so that he sees whatÆs involved in making a release in preparation for getting something deployed.
3. We are moving to Win 7 so we are reviewing all of our tool setup.
4. I will be reviewing a set of CQ items with Charlie, Karma, and Raja. IÆd prefer to include Pam/Sweta, but they are on other tasks right now because of funding. This will let us cover the issues weÆve been dealing with in the past few months to make sure they are aware of those issues and will be aware of ôhow we got hereö.
5. I want Raja to review all the CQ items that involve rules changes so that he can refresh himself on the rules and be aware of what is on Justin and DanielleÆs mind.
6. We will be trying to meet with Linda to go over the 0% rating issue. So that weÆll be able to code it.
7. Karma and I have been reviewing the code base to take note of changes weÆd like to make to improve the maintainability of the code base, so heÆs fairly caught up on the java and rules code base. HeÆs aware of what I expect in terms of code quality.
8. Karma has been involved in our push to increase our test coverage and how we can go about improving that. He knows that we hope to make use of the new SHARE web services to create a veteran so that we can write integration and functional tests in the future. But that will involve Cory answering questions so that we can figure out how to create a veteran,

dependents, a claim, CEST it, etc. This testing we hope to automate can hopefully make RBPS more reliable.

9. We had been doing some review of the 150/155 requirements so Karma is as familiar with that as I am. Charlie seems to be doing a good job with that and is very detail oriented, so I think that will work out.

10. WeÆve been reviewing the Phase 1 System Design Document to compare what actually was implemented to the design, so Karma is familiar with that.

To run the remote connection thingy

mstsc