



Multi-level Data Management for Sport

Unlocking the Potential

Highlights

Reporting

- Reporting time reduced 7 to 10 fold

Accountability

- Easy, accurate reporting on athletes supported, Service Provider activity, etc

Communication

- Web 2.0 tools enhance communication between user groups

Management

- Automated processes ease staff workload
- Resource management

Talent ID

- Track athlete development

The CSC Net Project

- Response to the administrative requirements of the Canadian Sport Centres
- Designed to fulfill the reporting requirements of the Canadian Sport Centre Network
- Definitions, processes, etc were already in place
- Manage athlete, coach and service provider data.
- A "ground up" project - full business analysis, user surveys, etc.
- Built on an existing platform



Challenges

- System needs to work in a multi-sport / multi-level environment.
- System **MUST** reflect valid business processes.
- Change has to be managed carefully
- Solid reporting tools
- Gaining user acceptance
- Technical challenges - access permissions, hosting, security, etc
- Time & money

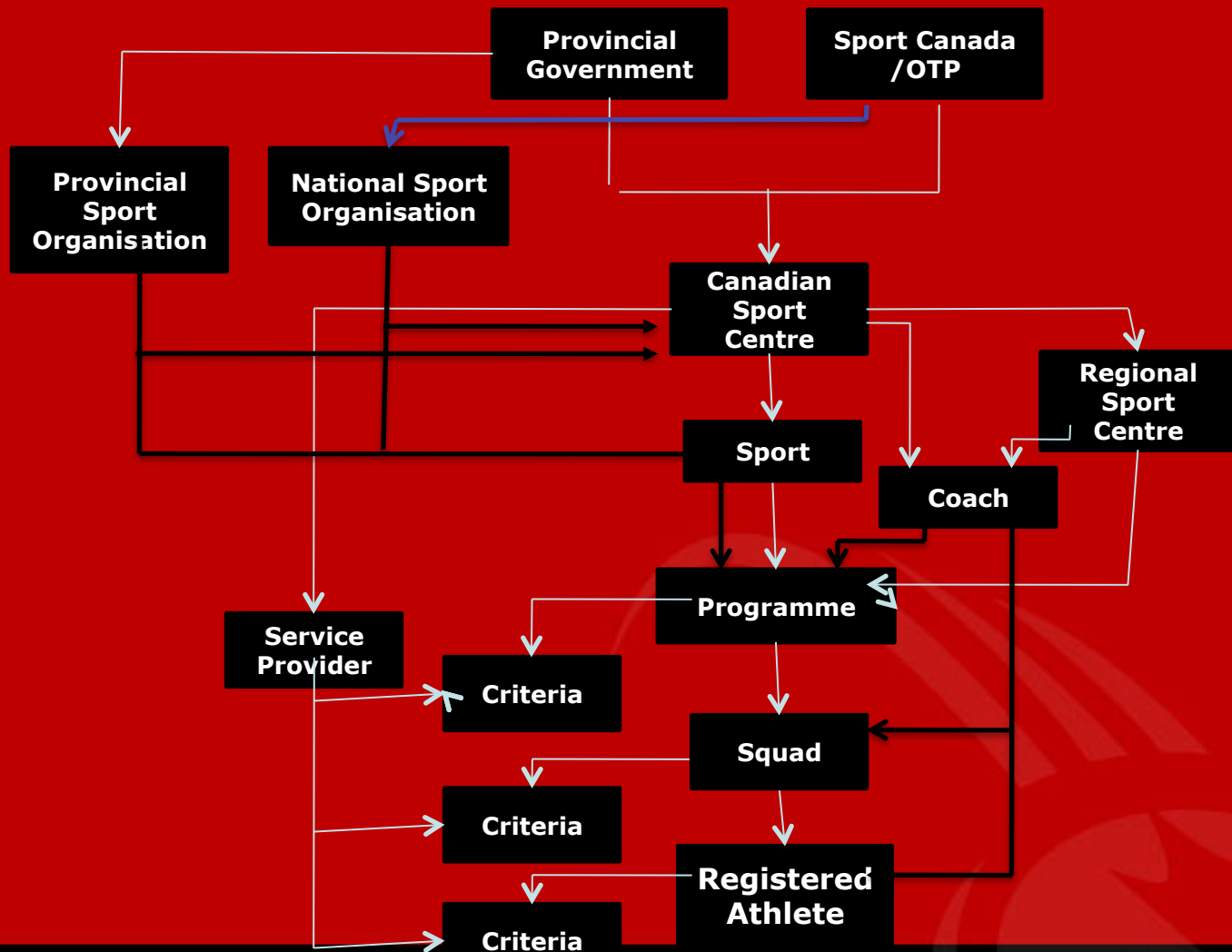


Challenges

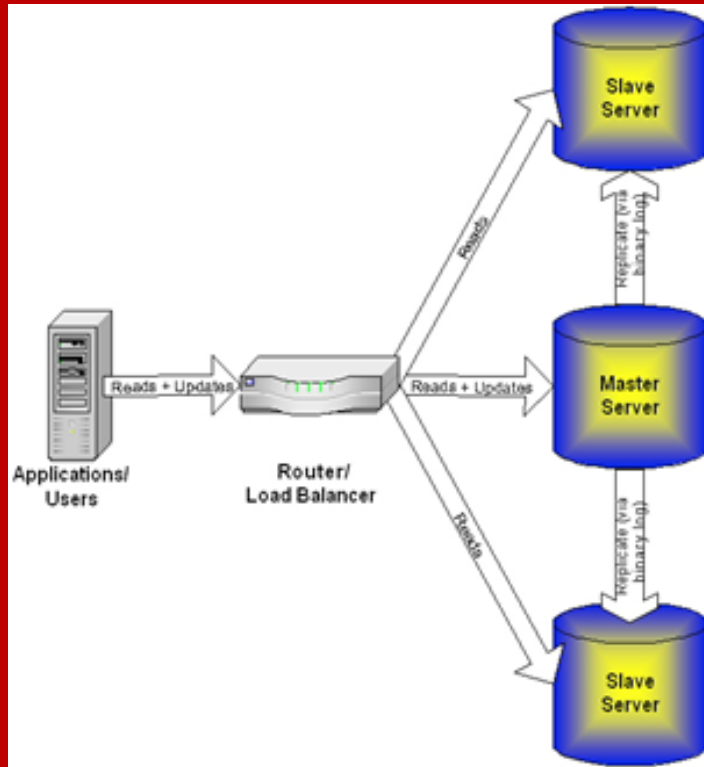


- Geography
 - Athletes, coaches and teams move between centres
 - Centres must track support provided to these groups
 - Each centre is a distinct entity
- And the final challenge...

Canadian Sport System







Our Solution



- Built on SDNA Membership
- Technical:
 - LAMP Platform
 - Works with all major browsers
 - Secure connections (https)
 - Role-based access
- Hosted in Canadian data centre

Home Page

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July 2011

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|------------------------------------|--------|------------------|----------------------|------------------------|--------|----------|
| 26 Mikes Evenet | 27 | 28 mikes test | 29 Mikes SI Event | 30 Spuzzum World Cu | 1 | 2 |
| 3 Mikes SI Event | 4 | 5 | 6 ACS Test 0 | 7 | 8 | 9 |
| 10 Mikes SI Event ACS Test 0 | 11 | 12 | 13 Test | 14 | 15 | 16 |
| 17 Mikes SI Event | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

A Closer Look - Athletes

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Athlete » Balboa, Rocky

[Edit Details](#) | [List Athletes](#)

| Details | Sport Information | Registration | Clothing | Next of Kin | Contact | Bursary | Course | Objective |
|---------------------------------|---|----------------|------------------|-------------|---------|---------|---------|-----------|
| Health Insurance | Health Insurance Claim | Travel Profile | Travel Insurance | Media | History | Testing | Results | |
| Name | Balboa, Rocky | | | | | | | |
| Username | rockybalboa | | | | | | | |
| Email | thechamp@hotmail.com | | | | | | | |
| Membership Number | 107048 | | | | | | | |
| Preferred Name | | | | | | | | |
| Middle Name | | | | | | | | |
| Address | [current] 123 Uppercut Way Victoria British Columbia V8V 8V8 | | | | | | | |
| Phone | [home] (250) 123-0987 | | | | | | | |
| Skype Address | | | | | | | | |
| Description | | | | | | | | |
| Birthdate | 1953-11-03 | | | | | | | |
| Gender | Male | | | | | | | |
| Preferred Language | English | | | | | | | |
| Provincial Health Care # | | | | | | | | |
| Hometown | Philedelphia | | | | | | | |

A Closer Look - Coaches

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Coach » Ms. Coach, Ima

[Edit Details](#) | [Edit Sport Information](#) | [List Coaches](#)

| Details | Sport Information | Registration | NCI Status | NCCP | Contact | Employment History | Bursary | Course |
|----------------------------------|---------------------------|------------------|------------|----------------|---------|--------------------|---------|--------|
| Objective | Travel Profile | Media | | | | | | |
| Status | Active | | | | | | | |
| Initial Intake Date | 2011-04-14 | | | | | | | |
| Latest Renewal Date | 2011-04-14 | | | | | | | |
| Expiry Date | 2012-04-30 | | | | | | | |
| NCCP Number | 13245762 | | | | | | | |
| Coach Canada Status | Associate | | | | | | | |
| Provincial Coach Assoc Number | 232t5d4 | | | | | | | |
| Sport | Swimming | Sport Discipline | | Not Applicable | | | | |
| Edit Information | Add Sport | | | | | | | |

A Closer Look – Service Providers

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Service Provider » Mr. Nasium, Jim

[Edit Details](#) | [Edit Service Information](#) | [List Service Providers](#)

| Details | Service Information | Contact | Course | Employment History | Travel Profile | Media |
|--|-------------------------------|---------|--------|--------------------|----------------|-------|
| Sport Institute | Canadian Sport Centre Pacific | | | | | |
| Status | Active | | | | | |
| IST Pillar | Sport Science | | | | | |
| IST Discipline | Physiologists | | | | | |
| Employment Status | Full Time | | | | | |
| Partner Clinic | Victoria Performance Lab | | | | | |
| Affiliated Clinic | | | | | | |
| Edit Service Information | | | | | | |

A Closer Look – Athlete Testing

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Athlete » Swimming, Mike

[Edit Details](#) | [List Athletes](#)

| Details | Sport Information | Registration | Clothing | Next of Kin | Contact | Bursary | Course | Objective |
|------------------|------------------------|----------------|------------------|-------------|---------|---------|---------|-----------|
| Health Insurance | Health Insurance Claim | Travel Profile | Travel Insurance | Media | History | Testing | Results | |

Sport Tests

| Test | Result |
|----------|--------|
| Deadlift | 123 |

| <input type="checkbox"/> | Name |
|--------------------------|--|
| <input type="checkbox"/> | Aerobic - V02 Max |
| <input type="checkbox"/> | Field - Swim 7x200m Step |
| <input type="checkbox"/> | Lung Function - EVH (Asthma) Testing |
| <input type="checkbox"/> | Physical - Anthropometric Testing |
| <input type="checkbox"/> | Swim Performance - Long Course - 1500m Freestyle |
| <input type="checkbox"/> | Swim Performance - Long Course - 800m Freestyle |

A Closer Look – Athlete Testing

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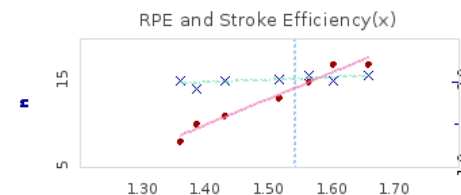
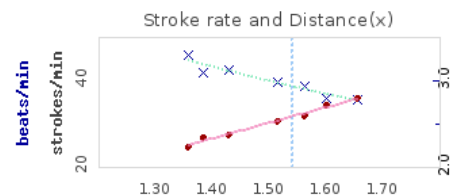
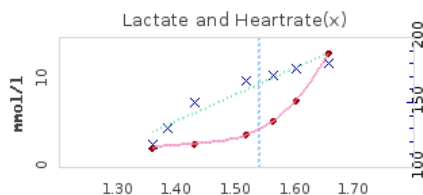
Test Result

Athlete » Swimming, Mike

Swim 7x200m Step

[Download CSV](#) |
 [Print](#)

| Date | Height | Weight | Step | 200m Time | Speed (m/s) | First 100m Time | Second 100m Time | Heart rate | Lactate | RPE | Feeling | Stroke Rate (cyc/min) | Stroke Distance (m) | Stroke Efficiency | Stroke Count | Note | Actions | |
|-----------|--------|--------|------|-----------|-------------|-----------------|------------------|------------|---------|-----|---------|-----------------------|---------------------|-------------------|--------------|--|---------|--|
| 2006-10-2 | | | 1 | 2:27.300 | 1.36 | 1:12.000 | 1:15.300 | 118 | 2.2 | 8 | | 24.7 | 3.30 | 2.02 | | View Edit Delete | | |
| | | | 2 | 2:24.500 | 1.38 | 1:13.000 | 1:11.500 | 130 | | 10 | | 26.9 | 3.09 | 1.92 | | | | |
| | | | 3 | 2:20.000 | 1.43 | 1:10.000 | 1:10.000 | 150 | 2.7 | 11 | | 27.4 | 3.13 | 2.01 | | | | |
| | | | 4 | 2:12.000 | 1.52 | 1:07.000 | 1:05.000 | 167 | 3.7 | 13 | | 30.5 | 2.98 | 2.03 | | | | |
| | | | 5 | 2:08.000 | 1.56 | 1:04.000 | 1:04.000 | 171 | 5.3 | 15 | | 31.9 | 2.94 | 2.07 | | | | |
| | | | 6 | 2:05.000 | 1.60 | 1:02.000 | 1:03.000 | 176 | 7.7 | 17 | | 34.3 | 2.80 | 2.02 | | | | |
| | | | 7 | 2:00.800 | 1.66 | 1:00.500 | 1:00.300 | 180 | 13.1 | 17 | | 35.8 | 2.77 | 2.07 | | | | |
| | | | Dmax | 2:09.692 | 1.54 | | | | | 164 | 4.5 | | | 31.6 | 2.93 | | 2.03 | |
| | | | | 2:28.795 | 1.34 | | | | | 123 | 2.0 | | | 24.5 | 3.26 | | 1.97 | |
| | | | | 2:10.983 | 1.53 | | | | | 162 | 4.0 | | | 31.3 | 2.95 | | 2.03 | |
| | | | | 2:07.005 | 1.57 | | | | | 170 | 6.0 | | | 32.7 | 2.89 | | 2.04 | |
| | | | | 2:04.636 | 1.60 | | | | | 176 | 8.0 | | | 33.8 | 2.84 | | 2.05 | |
| | | | | 2:02.888 | 1.63 | | | | | 182 | 10.0 | | | 34.8 | 2.80 | | 2.06 | |



A Closer Look - Messaging

The screenshot displays a web application interface for messaging. At the top, it shows the user is logged in as 'UATAdmin (Root Administrator)' with options to 'Switch Role', 'Inbox', and 'Logout'. Navigation links for 'Contact Us', 'Terms', and 'Privacy' are also present. The main header features the 'Canadian Sport Centre Pacific/Pacifique' and 'Centres canadiens multisport' logos, along with a banner image of athletes. A 'Security' icon is visible on the right. The interface includes a 'Home' button and a navigation menu with 'Individual' and 'R'. A 'Calendar' and 'Messages' icon are also present. The left sidebar shows '+Compose', 'Inbox', and 'Sent' options, with a 'Mandatory' indicator. The main content area is partially obscured by a 'Filter Recipient' dialog box. This dialog has two tabs: 'User' (selected) and 'Groups'. It contains several dropdown menus for filtering: 'Governing Body Type' (set to '(select)'), 'Sport Institute' (set to 'Canadian Sport Centre Pacific'), 'Regional Sport Centre' (set to 'Victoria Campus'), 'Programme' (set to 'Swimming VIC'), 'Squad' (set to '(select)'), 'Member Type' (set to 'Athlete'), and 'Status' (set to '(select)'). A 'Filter Users' button is located below these filters. At the bottom of the dialog, there are 'De-Select All' and 'Select All' links, and 'Ok' and 'Cancel' buttons. The background shows a rich text editor with bold, italic, and underline options, and a list of recipient names: Rick 4F9, Jayme 73UF2z, Pierre 9Lf9SYH, and Nicholas A1SJJdcd. An 'Attachments' section is visible at the bottom of the page.

A Closer Look - Reporting

Athlete Reports

Report For: Sport Institute: Canadian Sport Centre Pacific, Status: Active, Carding Status: SR-1
August 26, 2011 04:06 PM

| <i>Sport</i> | <i>First Name</i> | <i>Last Name</i> | <i>Carding Status</i> | <i>Season</i> | <i>Gender</i> | <i>Level</i> | <i>Status</i> | <i>Primary Language</i> | <i>Sport Ranking</i> | <i>Sport Institute</i> |
|-------------------------------------|-------------------|---------------------|-----------------------|---------------|---------------|---------------------------|---------------|-------------------------|----------------------|-------------------------------|
| Alpine Skiing | Boosty | Barlow | SR-1 | Winter | Female | Podium | Active | English | 1 | Canadian Sport Centre Pacific |
| Alpine Skiing | Manuel | IO5vRdrPH8Ch LFs | SR-1 | Winter | Male | Podium | Active | English | | Canadian Sport Centre Pacific |
| Alpine Skiing | Shona | strMQ7 | SR-1 | Winter | Female | Provincial Development | Active | English | | Canadian Sport Centre Pacific |
| Alpine Skiing | Ross | u4x14wp | SR-1 | Winter | Male | Regional Development | Active | English | 1 | Canadian Sport Centre Pacific |
| Alpine Skiing - Paralympic Event | Mike | Guardian | SR-1 | Winter | Male | Podium | Active | English | 1 | Canadian Sport Centre Pacific |
| Alpine Skiing - Paralympic Event | Matthew | LWolTp | SR-1 | Winter | Male | Podium | Active | English | | Canadian Sport Centre Pacific |
| Alpine Skiing - Paralympic Event | Chris | VP1ALgA4VG | SR-1 | Winter | Male | Podium | Active | English | | Canadian Sport Centre Pacific |
| Athletics | Scott | Bbsjrx8 | SR-1 | Summer | Male | Canadian Elite | Active | English | | Canadian Sport Centre Pacific |
| Athletics | Dylan | rWnWINKQB | SR-1 | Summer | Male | Podium | Active | English | | Canadian Sport Centre Pacific |
| Athletics | Gary | te9W | SR-1 | Summer | Male | Podium | Active | English | 1 | Canadian Sport Centre Pacific |
| Athletics | Jennifer | ZPdY8 | SR-1 | Summer | Female | Provincial Development | Active | English | | Canadian Sport Centre Pacific |
| Bobsleigh | Kaillie | 1KHrqQkGH | SR-1 | Winter | Female | Podium | Active | English | | Canadian Sport Centre Pacific |

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A Closer Look - Reporting

IST Pillar Sport Science

Service Type Physiologist - hourly

Service Provider Gordon Y6jsA9oB

| Start Date | End Date | Hours | Fees | Location | Service Types | # of Athletes | Athletes & Coaches | Comments |
|------------|------------|-------|------|--------------|-----------------------|---------------|--|-------------|
| 2010-03-01 | 2010-03-01 | 2 | 0.00 | CSC Facility | Physiologist - hourly | 13 | Ryan LWo4IchG Craig dosKZty Pierre 9Lf9SYH Rick 4F9 Nicholas AISJdcd Stefan Rs5JLU MacKenzie KGwdsEP Jayme 73UF2z Cody RxS8I9 Alexa lJngKzKZCk Jeremy MoJIDvc Richard Ddv0gLnS Blake JSff2Oj | IST Meeting |
| 2010-08-26 | 2010-08-26 | 4 | 0.00 | CSC Facility | Physiologist - hourly | 0 | | IST meeting |

Summary for 'Service Provider' = Gordon Y6jsA9oB (2 detail records)

Total: 6 0.00

Service Provider Jim Nasium

| Start Date | End Date | Hours | Fees | Location | Service Types | # of Athletes | Athletes & Coaches | Comments |
|------------|------------|-------|------|-------------|-----------------------|---------------|--------------------|-------------------|
| 2010-06-18 | 2010-06-18 | 2 | 0.00 | Client site | Physiologist - hourly | 1 | | 7 x 200 step test |

Summary for 'Service Provider' = Jim Nasium (1 detail records)

Total: 2 0.00

A Closer Look – Ad Hoc Reporting

Canadian Sport Centres Centres canadiens multisport

Report Viewer

Back Options Export

Athlete Levels Report

| First Name | Last Name | Gender | Athlete Level | SportCanada Carding | Status |
|------------|-----------|--------|----------------------|---------------------|--------|
| Rosemary | 300GC | F | Canadian Development | SR-1 | Active |
| Rosemary | 300GC | F | Canadian Development | SR-1 | Active |
| | | M | Canadian Development | SR-1 | Active |
| | | F | Canadian Elite | SR-1 | Active |
| | | M | Canadian Elite | SR-1 | Active |
| | | M | Canadian Elite | SR-1 | Active |
| | | M | Canadian Elite | SR-1 | Active |
| | | M | Canadian Elite | SR-1 | Active |
| | | F | Canadian Elite | SR-1 | Active |
| | | M | Canadian Elite | SR-1 | Active |
| | | F | Canadian Elite | SR-1 | Active |
| | | M | Podium | SR-1 | Active |
| | | M | Podium | SR-1 | Active |
| | | F | Podium | SR-1 | Active |
| | | M | Podium | SR-1 | Active |
| | | M | Podium | SR-1 | Active |
| | | F | Podium | SR-1 | Active |
| | | M | Podium | SR-1 | Active |
| | | M | Podium | SR-1 | Active |
| | | M | Podium | SR-1 | Active |
| | | M | Podium | SR-1 | Active |
| | | M | Podium | SR-1 | Active |

Input Controls

name :
Canadian Sport Centre Pacific

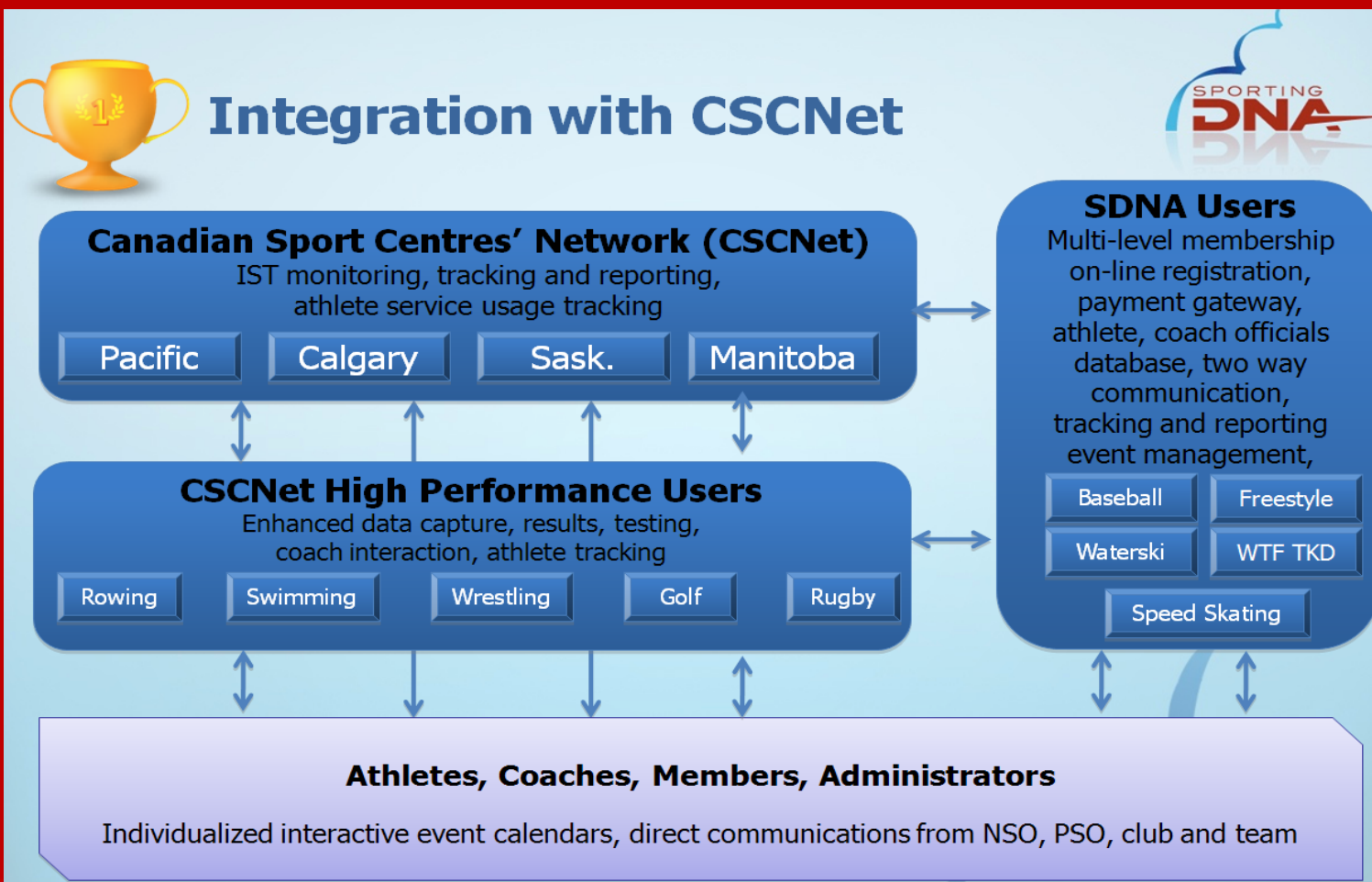
status :
Active
Alumni
Inactive
Pending
Reject
Renewal Required
Self Registered

sport_canada_carding_status :
N
No cardina

Apply OK Reset Cancel Save

Page 1 of 3

Partner Integration



CSC Net – Talent ID

Edit Details Edit Sport Information List Athletes

| | | | | | | | | | |
|------------------------|-------------------|------------------|----------|-------------|---------|---------|--------|-----------|------------------|
| Details | Sport Information | Registration | Clothing | Next of Kin | Contact | Bursary | Course | Objective | Health Insurance |
| Health Insurance Claim | Travel Profile | Travel Insurance | Media | History | Testing | | | | |



Testing

| Date | Test Group Name | Test Group Type | Category | Actions |
|---------------------|-----------------|-----------------|--------------------------|--|
| 2010-12-01 08:40:00 | RCA RADAR | Bulk | Heavyweight Under 23 Men | View Edit Delete |

[Add Test](#)

Talent ID – Adding Test Results

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Alm, Mark » Add Test

Test Group

Tests

| | | | |
|-------------------------------------|----------------------------------|----------------------|-------------|
| <input checked="" type="checkbox"/> | Weight (kg) | <input type="text"/> | kilograms |
| <input checked="" type="checkbox"/> | Height (cm) | <input type="text"/> | centimetres |
| <input checked="" type="checkbox"/> | Arm Span (cm) | <input type="text"/> | centimetres |
| <input checked="" type="checkbox"/> | Medicine Ball Throw (meters) | <input type="text"/> | metres |
| <input checked="" type="checkbox"/> | Peak Power (Testing Drag Factor) | <input type="text"/> | watts |
| <input checked="" type="checkbox"/> | Peak Power (190 Drag Factor) | <input type="text"/> | watts |
| <input checked="" type="checkbox"/> | Schwinn Bike Test (RPM) | <input type="text"/> | watts |

Date

Category Heavyweight Under 23 Men

Talent ID – Sample Test Report

Test Group

RCA RADAR

Category

Heavyweight Under 23 Men

Tests

| Test Name | Result | Calculated Watts | 500m Spilt Time | Score |
|----------------------------------|-------------------|------------------|-----------------|-------|
| Weight (kg) | 85.1 kilograms | | | |
| Height (cm) | 184.5 centimetres | | | |
| Arm Span (cm) | 189.5 centimetres | | | |
| Peak Power (190 Drag Factor) | 1111 watts | 1111 | 01:08.0 | 75 |
| Peak Power (Testing Drag Factor) | 1012 watts | 1012 | 01:10.2 | 75 |
| 1 Minute | 371 metres | 662 | 01:20.9 | 52 |
| 2000 Meter | 06:27:1 time | 386 | 01:36.8 | 48 |
| 6000 Meter | 20:31:1 time | 324 | 01:42.6 | 55 |
| 60 Minute | 15721 metres | 233 | 01:54.5 | 21 |
| Time Trial 2000 Meter (1x) | time | | | |
| Time Trial 2000 Meter (2-) | 07:28:4 time | 248 | 01:52.2 | 0 |

Canadian
Sport
Centres



Centres
canadiens
multisport

Extending CSC Net

- To Build or to Partner, that is the question
- We see CSC Net as the over-arching portal that links to specialist applications
 - JasperSoft BI reporting
 - InjuryZone
 - AthleticLogic
- Shared feature development



Summary

- CSC Net is a portal for sport management at multiple levels
- Increased staff efficiencies.
- Greater insight
- Enhanced communication
- Extended through specialist applications



Questions