Today's Objectives

To discuss pension plans and group RRSPs

 To discuss advantages and disadvantages of registered pension plans

To discuss types of registered pension plans

→ Government Pension Programs (Ch 2 of *Morneau Shepell Handbook*)

Recall:

• The (traditional) Three Pillars of Old Age Financial Security (aka the three-legged stool)



Pillar I – Government Plans

Pillar II – Group or Employer (E'er) Plans

Pillar III – Individual Savings Plans

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

Group or Employer Plans

The two types of employer plans we will look at are:

1. Pension Plans (PPs)

- Pension plans are an employer benefit designed to help employees financially prepare for retirement
- There are different types of PPs
- Most PPs are Registered Pension Plans (RPPs) and that will be our focus (DB, DC, hybrids)
- There are however non-registered plans and supplementary arrangements e.g. Supplemental Employer Retirement Plan (SERP)

2. Group Registered Retirement Savings Plans (RRSP's)

 These are also intended to help employees financially prepare for retirement and have increased in popularity

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- RPPs are formally structured regulated plans
 - Have to apply to Canada Revenue Agency (CRA) to register plan,
 under the ITA as well as provincial pension standards legislation
 - > Income Tax Act (ITA): deductibility of contributions, tax sheltering
 - ➤ Respective provincial standards legislation (protects plan members)
 - There are funding requirements (i.e., not pay-as-you-go)
- Employers (E'ers) are not required to offer RPPs for their employees
 (E'ees) and many do not

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- Stats Canada numbers from 2014 show that
 - There are a total of 17,757 employer sponsored RPPs in Canada that cover 6.2 million employees (3.2 million public sector, 3.0 million private), and these plans have \$1.6 trillion in assets
 - But just under 40% of those working in Canada are members
 of an RPP
- There is quite a difference between public and private sector both in terms of % of employees that are part of a RPP and also in RPP type

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

	Pension	Total MV	Annual	Annual	
	Coverage as %	Assets	Contributions	Benefits	
	of # of e'ees	(\$ trillions)	(\$ billions)	(\$ billions)	
Public Sector	86%	\$1.1	\$37.5	\$36.5	
Private Sector	24%	\$0.5	\$18.5	\$24.6	
Total	38%	\$1.6	\$55.0	\$61.1	
Public Sector	n/2	700/	C90/	CO9/	
Share	n/a	70%	68%	60%	

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- Most (95%+) public sector employees with RPPs are members of Defined Benefit (DB) plans that provide inflation (CPI) protection + other rich benefits, and tend to be contributory plans
- Less than 50% of private sector employees with RPPs are members of Defined Benefit (DB) plans
- Virtually no new Defined Benefit plans have been introduced in more than 10 years and several existing DB plans have been transitioned and/or replaced with another plan (or benefit, e.g. group RRSP)

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Pension Plan Arguments

i. Government

Arguments for

- social utility
- reduce government pressure to increase income security benefits
- cash invested in the economy

Not strongly argued against, but

 tax relief granted does lead to loss of government tax revenue (timing issue only – pension payments when received are fully taxed)

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Pension Plan Arguments

ii. Employers

Arguments for

- expensing of pension costs ('cost and order')
- contributions are a tax deductible expense
- help attract (recruit) and retain employees
- contributory plans (reduce employer costs)
- retiring employees ongoing and/or restructuring
- incentive (e.g. contribution tied to company's profits)

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Pension Plan Arguments

ii. Employers

Arguments against

- could reinvest in own business ("higher return")
- admin. costs & complexities
- view of employer subsidizing government
- employee should assume responsibility for retirement e.g. can provide higher salaries without the RPP (compensate more and offload risk to employees)
- other alternatives can be offered by employer (group RRSPs being one example)

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Pension Plan Arguments

iii. Employees

Arguments for

- e'ees view RPP as essential leg of the 3-legged stool (or pillar)
- pension (Retirement Income) security
- tax sheltered savings
- convenience, discipline

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Types of Registered Pension Plans (RPPs)

- There are 3 types:
 - A. Defined Contribution (DC) Plans
 - B. Defined Benefit (DB) Plans
 - C. Combination of DB and DC Plans

A. Defined Contribution (DC) Plans

- 37% of RPPs, 17% or RPP plan members are in DC plans
- The plan can be considered 'contributory' or 'noncontributory' (same thinking applies to DB plans) - if it is only the employer that is making the contributions, it is a noncontributory plan, otherwise it is a contributory plan

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- A. Defined Contribution (DC) Plans
 - The amount of contributions to be made by the employer (e'er) is clearly defined and if it is a contributory plan, the employee (e'ee) contributions are also clearly defined
 - The contributions are invested and there typically are several investment options to choose from (employee chooses)
 - The contributions accumulate and the pension amount (or retirement income) is what accumulated contributions will buy
 - The pension income is therefore not known and not guaranteed
 it will depend on investment returns, how many years of
 contributions are made, and when you retire

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- A. Defined Contribution (DC) Plans
 - With DC plans, it is the employee who assumes 100% of the investment risk
 - There are two types of DC plans:
 - i. Money Purchase employer and employee contributions are a fixed % of earnings or a fixed amount
 - ii. **Profit Sharing** employer contributions linked to company profits subject to a minimum 1% of earnings

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- B. Defined Benefit (DB) Plans
 - Plan member (employee or e'ee) is promised a "defined" amount of annual pension (retirement income payment)
 - RPP defines the formula for determining the pension amount
 - With DB plans, employer bears 100% of the investment risk
 - Plans can be contributory or non-contributory, but if it is a contributory plan, employee contributions are clearly defined
 - The cost of the plan to the employer is the total amount of money required to provide the given level of benefits for all plan members
 - If plan is contributory, employee contributions can be offset against the costs

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- B. Defined Benefit (DB) Plans
 - Plan costs are reviewed annually
 - Costs are determined using a given funding method (Actuary required to do this valuation)
 - Types of DB plans:
 - i. Flat Benefit
 - ii. Career Average Earnings
 - iii. Final Average Earnings
 - iv. Flexible plans

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- B. Defined Benefit (DB) Plans
 - i. Flat Benefit represent about 15% of all DB plans
 - These plans are popular with unions
 - The retirement pension for this type of plan is a specified number of dollars for each year (or month) of service
 - There is no earnings recognition in benefit calculation
 - Benefits often "integrated" with CPP/QPP by providing bridge benefits from retirement to age 65
 - Bridge benefits provide an approximately level retirement income to the individual without a sudden increase when government pensions commence

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- B. Defined Benefit (DB) Plans
 - i. Flat Benefit
 - Advantage historically with this plan type was that it was simple to administer, easy for employees to understand
 - <u>Disadvantage</u>: flat amount per year of service based on wage levels at time level is established, but pension will be paid in future when wages/prices have ↑ (lack of inflation protection)
 - Most flat benefit plans now subject to periodic upgrades to reflect inflation and have become more complex to administer

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- B. Defined Benefit (DB) Plans
 - ii. Career Average Earnings Plans about 35% of all DB plans
 - Annual pension benefit is calculated as a certain percentage of earnings in each year of plan membership (equal weight is given to each year's earnings (years of service is considered)
 - Benefits usually "integrated" with CPP/QPP (and contributions if contributory plan)
 - Lower benefit and contribution rates on earnings up to
 CPP earnings ceiling and higher rates above ceiling

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Types of Registered Pension Plans (RPPs)

- B. Defined Benefit (DB) Plans
 - ii. Career Average Earnings Plans
 - Advantages:
 - Easy to administer and understand
 - More manageable employer costs

<u>Disadvantages</u>:

- Gives equal weight to employment earnings in each year of an e'ee's working lifetime, which is not good for e'ees that have made significant advancements over their career (lower pension relative to income at retirement in these cases)
- Equal weight to each year's salary an issue if inflation is high
- Above concerns sometimes addressed by updating the "plans earning base", which will be illustrated in Example 1b)

Today's Objectives

To discuss types of defined benefit pension plans

To discuss types of combination pension plans

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

Recall that:

- There are 3 types of registered pension plans (RPPs):
 - A. Defined Contribution (DC) Plans
 - B. Defined Benefit (DB) Plans
 - C. Combination of DB and DC Plans
- B. Defined Benefit (DB) Plans
 - There are 4 types of DB plans:
 - i. Flat Benefit
 - ii. Career Average Earnings
 - iii. Final Average Earnings
 - iv. Flexible plans

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

Also recall that:

- B. Defined Benefit (DB) Plans
 - i. Flat Benefit represent about 15% of all DB plans
 - The retirement pension for this type of plan is a specified number of dollars for each year (or month) of service
 - ii. Career Average Earnings Plans about 35% of all DB plans
 - Annual pension benefit is calculated as a certain percentage of earnings in each year of plan membership (equal weight is given to each year's earnings (years of service is considered)
 - Updating the "plan's earning base" addresses inflation and lower earnings years

→ Government Pension Programs (Ch 2 of *Morneau Shepell Handbook*)

Example 1 – Career Average Earnings Plan

 An employee is looking to retire in two months (March 2020) when he turns aged 65. He has been a member of the company's defined benefit plan since he was age 30. The DB plan is a "1.5% career average" plan. You are given the employee's salary history:

Age	# Years	Salary
30 to 39	10	\$40,000
40 to 49	10	\$65,000
50 to 54	5	\$95,000
55 to 64	10	\$100,000

- a) Calculate the annual pension that this individual will receive.
- b) Now, suppose all earnings prior to 2020 are deemed to be equivalent to earnings in 2019 for benefit purposes. What then would be the annual pension that this individual would receive? (This would be an example of a "plan earnings base" update.)

→ Government Pension Programs (Ch 2 of *Morneau Shepell Handbook*)

Example 1 – Career Average Earnings Plan

a) Annual pension received by employee

Age	# Years	Salary	Benefit
30 to 39	10	\$40,000	$1.5\% \times 10 \times 40,000 = 6,000$
40 to 49	10	\$65,000	$1.5\% \times 10 \times 65,000 = 9,750$
50 to 54	5	\$95,000	$1.5\% \times 5 \times 95,000 = 7,125$
55 to 64	10	\$100,000	$1.5\% \times 10 \times 100,000 = 15,000$
			Total Annual Benefit = 37,875

b) Annual pension if earnings adjusted to 2019 level

Annual Benefit = $1.5\% \times 35 \times 100,000 = $52,500$

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- B. Defined Benefit (DB) Plans
 - iii. Final Average Earnings Plans about 49% of all DB plans
 - Most popular salary based DB plan category, especially with public plans
 - Annual pension is based on their average earnings for a stated number of years before retirement AND years of service (YOS)
 - Examples include but are not restricted to:
 - 1.5% of average salary in 3 years prior to retirement × YOS
 - 1.5% of average salary of {best 5 of last 8 years prior to retirement} × YOS
 - A few (public) plans offer x% of {average salary of best 5 years} × YOS

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- B. Defined Benefit (DB) Plans
 - iii. Final Average Earnings Plans
 - Final average earnings DB plans provide best protection against inflation
 - One exception could be employees whose earnings decline as they approach retirement
 - Benefits usually "integrated" with CPP/QPP (and contributions if contributory plan) in same manner as career average plans

→ Government Pension Programs (Ch 2 of *Morneau Shepell Handbook*)

Example 2 – Final Average Earnings Plan

- An employee turned 65 on January 1st 2020 and retired on that date. He was a member of a Defined Benefit "2% Final Average Earnings" plan where the final average earnings is based on final 5 years of earnings. He has 30 years of service.
- Calculate the annual pension that is being paid out to this employee, given his/her salary history below.

Year	Salary
2019	\$80,000
2018	\$79,000
2017	\$76,000
2016	\$73,000
2015	\$70,000

→ Government Pension Programs (Ch 2 of *Morneau Shepell Handbook*)

Example 2 – Final Average Earnings Plan

Total salary received over final 5 year period

Year	Salary
2019	\$80,000
2018	\$79,000
2017	\$76,000
2016	\$73,000
2015	\$70,000
Total	\$378,000

Annual pension benefit

Annual Benefit = $2\% \times 30 \times (378,000/5) = $45,360$

→ Government Pension Programs (Ch 2 of *Morneau Shepell Handbook*)

Example 3 – Defined Benefit Plans

 An employee just retired at age 62 (on his birthday) and is eligible for pension benefits. Here is their salary info (joined plan at exact age 25):

Age	# Years	Salary
25 to 28	4	\$35,000
29 to 34	6	\$40,000
35 to 39	5	\$47,000
40 to 49	10	\$54,000
50 to 51	2	\$56,000
52 to 53	2	\$57,000
54	1	\$58,000
55	1	\$59,000
56	1	\$61,000
57	1	\$63,100
58	1	\$65,000
59 to 61	3	\$52,000

→ Government Pension Programs (Ch 2 of *Morneau Shepell Handbook*)

Example 3 – Defined Benefit Plans

- Calculate his annual pension benefit if the pension benefit is:
 - a) A flat benefit of \$75 per month for the first 15 years of service and \$100 per month thereafter.
 - b) A 1.5% final average earnings benefit plan (based on the best 5 of last 10 years of service)
 - c) A 1.5% career average earnings benefit plan (answer: 27,646.50)

→ Government Pension Programs (Ch 2 of *Morneau Shepell Handbook*)

Example 3 – Defined Benefit Plans

a) Annual pension received under flat benefit plan

Annual Benefit =
$$(15 \times 12 \times 75) + (22 \times 12 \times 100)$$

= $13,500 + 26,400 = $39,900$

b) Under final average earnings plan, best 5 years are ages 54 to 58

Age	Salary
54	\$58,000
55	\$59,000
56	\$61,000
57	\$63,100
58	\$65,000
Total	\$306,100

Annual Benefit = $1.5\% \times 37 \times (306,100/5) = $33,977.10$

→ Government Pension Programs (Ch 2 of *Morneau Shepell Handbook*)

Example 3 – Defined Benefit Plans

c) Annual pension received under career average earnings plan

Age	# Years	Salary	Benefit
25 to 28	4	\$35,000	$1.5\% \times 4 \times 35,000 = 2,100$
29 to 34	6	\$40,000	$1.5\% \times 6 \times 40,000 = 3,600$
35 to 39	5	\$47,000	$1.5\% \times 5 \times 47,000 = 3,525$
40 to 49	10	\$54,000	$1.5\% \times 10 \times 54,000 = 8,100$
50 to 51	2	\$56,000	$1.5\% \times 2 \times 56,000 = 1,680$
52 to 53	2	\$57,000	$1.5\% \times 2 \times 57,000 = 1,710$
54	1	\$58,000	$1.5\% \times 1 \times 58,000 = 870$
55	1	\$59,000	$1.5\% \times 1 \times 59,000 = 885$
56	1	\$61,000	$1.5\% \times 1 \times 61,000 = 915$
57	1	\$63,100	$1.5\% \times 1 \times 63,100 = 946.50$
58	1	\$65,000	$1.5\% \times 1 \times 65,000 = 975$
59 to 61	3	\$52,000	$1.5\% \times 3 \times 52,000 = 2,340$
	37		Total Annual Benefit = 27,646.50

- → Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)
- 1. Registered Pension Plans (RPPs)

- B. Defined Benefit (DB) Plans
 - iv. Flexible Plans about 1% of all DB plans
 - These plans offer a "tax-effective means" of providing enhanced retirement benefits to employees
 - With Flexible Plans:
 - Employer (E'er) pays for the basic pension benefit
 - Employee (E'ee) pays for additional ancillary benefits
 (E'ee has the option to buy supplemental benefits)

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- B. Defined Benefit (DB) Plans
 - iv. Flexible Plans
 - Advantages:
 - Additional ancillary benefits can be purchased without increasing the e'ees Pension adjustment (PA) or reducing their RRSP limit
 - Customization (e'ee can choose ancillary benefits or not)
 - Disadvantages:
 - More complex for e'er to administer
 - Members (e'ees) require a high level of understanding of the plan and the ancillary benefits offered

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- B. Defined Benefit (DB) Plans
 - iv. Flexible Plans
 - Ancillary Benefit examples:
 - 1. Indexing of Pension Benefits
 - 2. Enhanced final earnings-say from 1.5% to 2%
 - 3. Enhanced early retirement benefits
 - 4. Enhanced Post Retirement Spousal Benefit
 - Flexible Benefit plans can be 'front end' or 'back end':
 - 'front end': plan member chooses ancillary benefits in advance (in exchange for his contributions)
 - 'back end': e'ee makes contributions and they accumulate and ancillary benefits chosen at termination or retirement

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- C. Combination of DB and DC Plans
 - These include:
 - i. Hybrid Plans
 - ii. Combination Plans
 - iii. Cash Balance Plans
 - iv. Multi-Employer Plans
 - v. Target Benefit Plans

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- C. Combination of DB and DC Plans
 - i. Hybrid Plans
 - A Hybrid plan has both DB and DC components
 - Most common hybrid plan type will provide the greater of {a defined benefit pension, the pension that can be purchased with a members DC account balance}
 - Hybrid plan operates as DC plan but valued (annual actuarial valuation) like a DB plan to ensure funding adequacy
 - These tend to be contributory plans

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Types of Registered Pension Plans (RPPs)

- C. Combination of DB and DC Plans
 - i. Hybrid Plans

Example:

- DB min benefit = 1.5% earnings per yos
- Also you know calculated minimum annual pension = \$50,000 for a retiring e'ee
- \$Y is the member's DC account balance at retirement
 - If \$Y is such that it can purchase \$40,000 of annual income,
 plan member gets \$50,000 annual income {greater of...}
 - If Y is such that it can purchase \$60,000 of annual income,
 member will get \$60,000 annual income {greater of...}

Today's Objectives

To discuss types of combination pension plans

To discuss terms and conditions of pension plans

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

Recall that:

- C. Combination of DB and DC Plans
 - Combination plans include:
 - i. Hybrid Plans
 - ii. Combination Plans
 - iii. Cash Balance Plans
 - iv. Multi-Employer Plans
 - v. Target Benefit Plans

i. Hybrid Plans

 Most common hybrid plan type will provide the greater of {a defined benefit pension, the pension that can be purchased with a members DC account balance}

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Types of Registered Pension Plans (RPPs)

- C. Combination of DB and DC Plans
 - ii. Combination Plans
 - Pension benefit is the sum of pension provided through the DB component and pension provided through DC component

Example:

- DB: 1% of final average earnings (FAE) (non-contributory plan)
- DC: e'ee contributes 3-5% of salary to a DC plan
- At retirement, e'ee gets annual pension benefit = (.01)(FAE)(yos)
 PLUS they can use the DC account value to purchase additional annual retirement income

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Types of Registered Pension Plans (RPPs)

C. Combination of DB and DC Plans

Note:

- Hybrid Plans and Combination plans aggregated account for a very small % of RPPs in Canada (less than 2%)
- Reasons for this are that these plans are very complex to administer and difficult to explain to plan members
- Simpler alternative to previous example: DB (as given) + Group RRSP!

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- C. Combination of DB and DC Plans
 - iii. Cash Balance Plans
 - These plans are more popular in the USA then Canada (some issues with ITA in Canada)
 - Here's how they work:
 - E'ees are assigned annual credits based on earnings during year
 - Credits deposited into a 'hypothetical' account for each e'ee
 - They accumulate with interest until retirement/termination
 - The employer (e'er) makes the investment decision and takes the investment risk and is liable for a minimum guaranteed benefit

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- C. Combination of DB and DC Plans
 - iii. Cash Balance Plans
 - Advantage:
 - These plans tend to provide a much higher benefit upon termination (e.g. hypothetical account value vs. a DB commuted value of benefits) than regular DB plans, which appeals to some employees

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- C. Combination of DB and DC Plans
 - iv. Multi-Employer Plans (MEP)
 - Established by union negotiation with two or more nonaffiliated employers (e'ers) in a related industry
 - Plans specify both the contribution level & level of benefits
 - All employers (that are part of MEP) contribute to the plan
 - Benefits typically determined using a flat benefit formula
 - Unlike single employer plans, benefits may be reduced if they cannot be supported by current level of contributions and/or employers are unwilling to increase contributions

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

- C. Combination of DB and DC Plans
 - v. Target Benefit Plans
 - Similar to design of multi-employer plans, but they are established by a single employer
 - Designed to deliver a targeted benefit but administrators can adjust benefits (reduce if funding issues)
 - Provinces at varying stages with these plans (as of 2016 available in 4 provinces)

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Terms and Conditions of Pension Plans

- A pension plan is a legal promise and principal provisions relate to:
 - 1. Eligibility
 - Pension formula
 - 3. Credited or pensionable service
 - 4. Employee contributions
 - 5. Retirement Age
 - 6. "Normal" and Optional Pension Forms
 - Pre-retirement Death Benefits
 - 8. Termination Benefits
 - 9. Disability Benefits
 - 10. Inflation Protection

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Terms and Conditions of Pension Plans

1. Eligibility

- When an employer (e'er) offers an RPP, all employees (e'ees)
 within a similar class (for whom plan was established) must be eligible to join the plan
- Most provinces require e'ees be eligible within 2 years of employment (maximum) but many require less time and some companies allow membership on employment start date
- Part-time** e'ees are eligible for plan membership if in same class as full time e'ees (that are covered by a plan)
- Larger employers may have more than one plan (e.g. separate one for union, salaried, execs)
- ** Difference between part-time and contract

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Terms and Conditions of Pension Plans

2. Pension Formula

- Defines how pension benefits are credited/accumulated
- Formula varies by plan type.
 - DC contributions amounts, investment options
 - DB flat benefit, career average, final average etc....
- Defined Benefit pension formula may be integrated with C/QPP benefits {70% of pre-retirement income (pension + gov't plans) was a popular target for long service employees}

3. Credited or Pensionable Service

 Defines period of service for which e'ee will earn pension benefits (e.g. maternity leave must be included by law)

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Terms and Conditions of Pension Plans

- 4. Employee Contributions
 - In Canada
 - most union plans are non-contributory
 - about half of private sector plans are contributory
 - all public plans are contributory
 - Contributory plans more common in Canada (tax deductibility)
 versus the United States
 - E'ee contributions (contributory plans) range from 5-7% in private sector plans and higher 7-9% in public sector plans
 - E'ees can make additional optional contributions more popular with DC plans

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Terms and Conditions of Pension Plans

- 4. Employee Contributions (continued)
 - 50% rule this is for contributory DB plans (e'ers must fund at least 50% of the value of a plan member's benefits) → if not, excess is returned to ee

5. Retirement Age

- Normal Retirement Age (NRA)
 - NRA is the age specified in the RPP contract at which the e'ee has the right to retire on a full unreduced pension
 - For most plans, the NRA age is 65
 - Employees can, and often do, retire before the NRA with or without a pension reduction

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Terms and Conditions of Pension Plans

- 5. Retirement Age (continued)
 - Early retirement
 - Legislation allows an unreduced pension to be paid as early as age 60 or when years of service (YOS) is 30 or when age + YOS = 80
 - Otherwise, person retiring before NRA receives a reduced pension
 - Plans ordinarily allow e'ee to retire anytime within 10 years of NRA but with a reduced pension (unreduced pensions not always offered)
 - Reduced pension on early retirement calculated in one of 2 ways:
 - i. An actuarial equivalent reduction
 - ii. A reduction that is less than the full actuarial adjustment

→ Government Pension Programs (Ch 2 of *Morneau Shepell Handbook*)

Example – Retirement Age

- Suppose that at NRA = 65, an individual's monthly RPP benefit is \$4000 (or \$48,000 annual pension).
- If the reduction factor is 6% for each year of early retirement, what would your RPP benefit be if you retired at:
 - a) Age 63.5 years?
 - b) Age 61 years?

→ Government Pension Programs (Ch 2 of *Morneau Shepell Handbook*)

Example – Retirement Age

a) Age 63.5 years? $Annual\ Benefit = 43,680 = 48,000 \times (1 - 0.06 \times 1.5)$

b) Age 61 years?

Annual Benefit =
$$36,480 = 48,000 \times (1 - 0.06 \times 1.5)$$

Note: reduction factors can be stated per month less than NRA (e.g. in this case 0.5% for each month less than 65)

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Terms and Conditions of Pension Plans

- 6. "Normal" and Optional Pension Forms
 - "Normal" form of pension is defined in every pension plan and this determines what benefits will be received when employee (plan member) dies after retirement
 - E.g. if 'normal form' is guaranteed pension (annuity) payments for 5 years and plan member dies 2 years after retirement, beneficiary would get 3 years of payments
 - 'Normal' form often different for members who have a spouse

 → joint & survivor (J&S) with reduced benefit (to 60%) on
 members death would be an example of a normal form for those
 with spouses/partners

→ Group or Employer Plans (Ch 1, 3, 9 and 14 of *Morneau Shepell Handbook*)

1. Registered Pension Plans (RPPs)

Terms and Conditions of Pension Plans

- 6. "Normal" and Optional Pension Forms (continued)
 - an "<u>Optional Form</u>" of pension can be elected before pension payments start and payment amount for the 'optional' form would be determined on an actuarial equivalent basis
 - E.g.: may choose a pension with a longer guarantee period, or a J&S with no reduction (where normal is 60% on death of member)

7. Pre-retirement Death Benefits

- Legislation now requires these benefits
- Pre-retirement benefits must be clearly defined in the plan document