

PROBLEM SOLVING WORKSHOP - MAKING LEGAL DOCUMENTS MORE ACCESSIBLE

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PROBLEM

REGULATION

- **Sets of documents, usually legal text**
 - **Hierarchy**
 - Law: Mandate definition and its scope for regulator
 - Rulebook / Guideline: Applicable rulebook from regulator mandate
 - Notice (“guidance”): Best practices to interpret rulebook
 - **Domain specific** (*legal and finance*)
 - **Structure based on business activities**
- **Rulebook contain different rules per clients and/or financial products** (*in relation of associated risks*)
- Market participants are **usually subject of several regulators**, therefore subject to several rulebooks

PROBLEM

- **Regulation knowledge**
 - Require to **read the whole rulebook**
 - Require **legal knowledge and skills**
 - Require **manual work**
- **Scope**
 - A full analysis must be performed to know the applicable sub-sections
- **Maintenance**
 - Market participants must **follow texts evolution**
- **Redundancy**
 - Depending on market participant's activities, there is **strong change of requirements redundancies**, such as for reporting
- **Links with other regulations**
 - Market participants are often subject to several regulations, and therefore must **find links between regulations**

RESOURCES

RESOURCES

Name	Characteristics	Links
Securities	1 law, 59 regulations, 142 notices Size: 536 MB Format: Word Languages: French and English	Loi Règlementation
Insurance and deposit institutions	7 laws, 11 regulations Size: 33 MB Format: Html, PDF Languages: French and English	Loi Règlementation
Distribution of financial products and services	1 law, 20 regulations, 14 directives Size: 35MB Format: Html, PDF Languages: French and English	Loi Règlementation Directive
Derivatives	1 law, 7 regulations Size: 4 MB Format: Html, Word Languages: French and English	Loi Règlementation

EXAMPLE OF LAW

chapter D-9.2

ACT RESPECTING THE DISTRIBUTION OF FINANCIAL PRODUCTS AND SERVICES

TITLE I REPRESENTATIVES

CHAPTER I GENERAL PROVISIONS

- 🕒 **1.** A representative is either an insurance representative, a claims adjuster or a financial planner.

1998, c. 37, s. 1; 2009, c. 25, s. 54.

- 🕒 **2.** An insurance representative is either a representative in insurance of persons, a group insurance representative, a damage insurance agent or a damage insurance broker.

1998, c. 37, s. 2.

- 🕒 **3.** A representative in insurance of persons is a natural person who offers individual insurance products in insurance of persons or individual annuities from one or more insurers directly to the public, to a firm, to an independent representative or to an independent partnership.

A representative in insurance of persons is authorized to secure the adhesion of a person in respect of a group insurance or group annuity contract.

The following are not representatives in insurance of persons:

(1) persons who, on behalf of an employer, a union, a professional order or an association or

CHOSEN APPROACH

CHOSEN APPROACH

- **Legal Document Search Engine**
 - **For Professionals**
 - Taxonomy extracted from **legal materials**
 - **For Non-Professionals**
 - Taxonomy extended by calls to **external search engines**
 - **Role-Specific Scope**
 - Classification for each text section to know its **scope**

LEGAL DOCUMENT SEARCH

- General Search Engine
 - Relevance
- Legal document search
 - For professionals
 - Taxonomy construction
 - Query expansion
 - For non-professionals
 - Taxonomy extraction
 - Query expansion

GENERAL SEARCH ENGINE

Basic search engine

GENERAL SEARCH ENGINE

Without query expansion



Welcome to AMF's Legal Search System

Please select one of your interested roles

With query expansion ☐

Select



Welcome to AMF's Legal Search System

Please select one of your interested roles

- ✓ All
- Insurance representatives
- Representative in insurance of person
- Group insurance representative
- Damage insurance agent
- Damage insurance broker
- Claims adjuster
- Financial planner
- Firm
- Independent representative
- independent partnership

GENERAL SEARCH ENGINE

Without query expansion



Search

Please input your query:

Return top K docs:

retrieval model:

BM25 ☒ LM ☐



Search Results

Loi-D-9-384 CHAPTER III OWNERSHIP OF DAMAGE INSURANCE FIRMS 0 Section 150 does not apply, in relation to the percentage of shares, to a firm incorporated in Canada if the firm's shares were listed on a Canadian stock exchange on 21 December 1988. 0 Section 150 does not apply to a firm the shares of which are held (1 by another firm incorporated in Canada the shares of which were listed on a Canadian stock exchange on 21 December 1988, as long as that firm does not become, in relation to the percentage of voting rights, a related legal person; or (2 by a legal person incorporated in Canada the shares of which were listed on a Canadian stock exchange on 21 December 1988 and that on that date controlled a firm referred to in the first paragraph, as long as that legal person does not become, in relation to the percentage of voting rights, a related legal person. 1998, c. 37, s. 151 1998, c. 37, s. 151

Loi-D-9-275 CHAPTER III OWNERSHIP OF DAMAGE INSURANCE FIRMS 0 Section 150 does not apply, in relation to the percentage of shares, to a firm incorporated in Canada if the firm's shares were listed on a Canadian stock exchange on 21 December 1988. 0 Section 150 does not apply to a firm the shares of which are held (1 by another firm incorporated in Canada the shares of which were listed on a Canadian stock exchange on 21 December 1988, as long as that firm does not become, in relation to the percentage of voting rights, a related legal person; or (2 by a legal person incorporated in Canada the shares of which were listed on a Canadian stock exchange on 21 December 1988 and that on that date controlled a firm referred to in the first paragraph, as long as that legal person does not become, in relation to the percentage of voting rights, a related legal person. 1998, c. 37, s. 151 1998, c. 37, s. 151

Loi-D-9-1049 TITLE IX PENAL PROVISIONS 0 Every distributor that receives remuneration for the sale of an insurance product that exceeds 30% of the sale price of the product is guilty of an offence if the remuneration is not disclosed to the client by the distributor or by the person distributing the product. 1998, c. 37, s. 471 1998, c. 37, s. 471

Loi-D-9-388 CHAPTER III OWNERSHIP OF DAMAGE INSURANCE FIRMS 0 Section 148 does not apply to a firm the shares of which are listed on a stock exchange. 0 However, not more than 49% of the shares of such a firm or voting rights attached to its shares may be held directly or indirectly by a financial institution, financial group or legal person related thereto. 1998, c. 37, s. 155 1998, c. 37, s. 155

Loi-D-9-279 CHAPTER III OWNERSHIP OF DAMAGE INSURANCE FIRMS 0 Section 148 does not apply to a firm the shares of which are listed on a stock exchange. 0 However, not more than 49% of the shares of such a firm or voting rights attached to its shares may be held directly or indirectly by a financial institution, financial group or legal person related thereto. 1998, c. 37, s. 155 1998, c. 37, s. 155

Loi-D-9-1003 CHAPTER II DISTRIBUTORS 0 A person who distributes an insurance product must describe the product to the client and explain the nature of the guarantee. 0 The person distributing the product must clearly explain the exclusions under the guarantee to enable the client to decide whether the situation applying in the client's case constitutes an exclusion under the guarantee. 0 The person distributing the product must also, if the remuneration received by the distributor for the sale of the product exceeds 30% of its sale price, disclose that remuneration to the client. 1998, c. 37, s. 431 1998, c. 37, s. 431

GENERAL SEARCH

- Tools
 - Indri: a powerful open source search engine
- Relevance
 - 2 popular retrieval models: BM25 and LM (with Dirichlet smoothing)
 - BM25:

$$\text{score}(D, Q) = \sum_{i=1}^n \text{IDF}(q_i) \cdot \frac{f(q_i, D) \cdot (k_1 + 1)}{f(q_i, D) + k_1 \cdot \left(1 - b + b \cdot \frac{|D|}{\text{avgdl}}\right)},$$

- LM:

$$p_{\mu}(w | d) = \frac{c(w; d) + \mu p(w | \mathcal{C})}{\sum_w c(w; d) + \mu}$$

PROBLEMS

- Term mismatch between query and documents
- Solution
 - Query expansion
 - Based on relations between terms
 - Relations
 - Taxonomy
 - Related terms

LEGAL DOCUMENT SEARCH

- Taxonomy Extraction
- Related Term Extraction
- Query Expansion

TAXONOMY EXTRACTION

- Candidate Extraction From Definitions

- Rules based on language patterns

- Noun Phrase
 - “IS A” relation
 - Is a, is an, is another, are, ...
 - “PART OF” relation
 - Include, contains, is composed of, is either ... or...
 - Sentence Subject, Object

1. A representative is either an insurance representative, a claims adjuster or a financial planner.

1998, c. 37, s. 1; 2009, c. 25, s. 54.

355. Each discipline committee shall be **composed** of advocates and representatives.

1998, c. 37, s. 355.

6. A damage insurance broker **is a** natural person who offers a range of damage insurance products from several insurers directly to the public, or who offers damage insurance products from one or more insurers to a firm, an independent representative or an independent partnership.

1998, c. 37, s. 6; 2018, c. 23, s. 509.

- Candidate Filtering

- TF in the documents
 - DF among the paragraphs
 - Manual labeling

TAXONOMY EXTRACTION

- Results
 - Concepts from larger collection
 - 418
 - Concepts from smaller collection
 - 378

```
1 authority,519
2 representative,389
3 firm,349
4 person,330
5 client,297
6 section,275
7 insurer,260
8 regulation,255
9 act,209
10 member,167
11 independent partnership,157
12 information,154
13 claim,146
14 order,145
15 activitie,131
16 register,122
17 title,119
18 chamber,118
19 independent representative,117
20 distributor,116
```

RELATED TERMS EXTRACTION

- Professional User Oriented Expansion
 - Sources
 - Laws, Regulations, ...
 - Method
 - Highly Co-occurred terms in paragraphs
 - “independent partnership”
 - [insurance, representative, damage, act...]
 - Co-occurrence Matrix
 - Usage
 - User input “xxx”, suggest “independent partnership “xxx **YYY**” to improve the accuracy
 - “independent partnership”
 - “independent partnership **representative**”

RELATED TERMS

- Results
 - 10 additional terms for each concept
 - E.g, “independent partnership”
 - Insurance
 - Representative
 - Firm
 - Register
 - Financial
 - ...

```
"representative": {
  "terms": [
    "act",
    "provision",
    "insurance",
    "client",
    "financial",
    "partnership",
    "firm",
    "damage",
    "independent",
    "person"
  ],
  "weights": [
    0.03523926412619334,
    0.03379908635886121,
    0.07417233825148699,
    0.04551731435642496,
    0.03804641191979407,
    0.05436722921408309,
    0.054030634845171725,
    0.03625985321049521,
    0.10252207044524037,
    0.04183016698898199
  ]
},
```

```
"independent partnership": {
  "terms": [
    "insurance",
    "partnership",
    "independent",
    "representative",
    "firm",
    "register",
    "financial",
    "partner",
    "damage",
    "act"
  ],
  "weights": [
    0.059783677743245216,
    0.18240565805598802,
    0.30897364758253154,
    0.13296036609646017,
    0.08620826219255924,
    0.05884736125725163,
    0.054083432596603524,
    0.05080828011025321,
    0.044581415003912585,
    0.043617159160586894
  ]
},
```

RELATED TERMS

- Non-Professional User Oriented Expansion
 - Sources
 - Search engines, such as Google, Bing...
 - Select top ranked 10 documents as the source documents
 - “group annuity”
 - Method
 - Similar to Pseudo-Relevance Feedback
 - Term similarity between query term and terms in the documents,
 - Or, tf-idf of terms appear in the returned document set, given query term
 - Usage
 - User input “xxx”, suggest “independent partnership “xxx **YYY**” to improve the accuracy
 - “group annuity”
 - “group annuity **retirement**”

[All](#)
[News](#)
[Videos](#)
[Images](#)
[Shopping](#)
[More](#)
[Settings](#)
[Tools](#)

About 17,200,000 results (0.34 seconds)

Group Annuity Solution - RBC Insurance
<https://www.rbcinsurance.com/group-annuity> ▼
 If you're looking for new ways to manage your Defined Benefit pension plan—ways that can help you reduce risks and provide your employees with security during retirement—an RBC Insurance® **Group Annuity** can help. ... A **Group Annuity** from RBC Insurance can help Defined Benefit pension ...

People also ask

What is a group annuity? ▼

What is a group annuity 401k? ▼

What is a group deferred annuity? ▼

What is an annuity buyout? ▼

Feedback

What Is a Group Annuity? | Finance - Zacks
<https://finance.zacks.com/RetirementPlanning/SavingforRetirement> ▼
 Insurance companies offer **annuities**, a type of tax-sheltered pension plans, as an option for retirement savings. ... Although individuals may enter into **annuity** contracts with insurers, **group annuity** contracts are between insurers and employers that limit participation to their ...

[PDF] group annuity policy - Sun Life Financial
<https://cdn.sunlife.com/static/canada/sunlifeca/Investments/PDF> ▼
 is a member of the Sun Life Financial group of companies. **GROUP ANNUITY POLICY**. SUN LIFE ASSURANCE COMPANY OF CANADA (“Sun Life”) agrees to ...

RELATED TERMS

- Results
 - 10 additional terms for each query
 - E.g. "damage insurance product"
 - Coverage
 - Product
 - Business
 - Liability
 - Injury
 - ...

```
"group annuitie": {  
  "terms": [  
    "group",  
    "annuitie",  
    "annuity",  
    "life",  
    "pension",  
    "rbc",  
    "retirement",  
    "financial",  
    "insurance",  
    "plan"  
  ],  
  "weights": [  
    0.11849865661436121,  
    0.15900436405013224,  
    0.3262524107245543,  
    0.10154535814264684,  
    0.09423943304861496,  
    0.07010152548530695,  
    0.10278232824373892,  
    0.09323918874548981,  
    0.14440389407895518,  
    0.06769021815319325  
  ]  
},
```

```
"damage insurance product": {  
  "terms": [  
    "coverage",  
    "product",  
    "claim",  
    "busines",  
    "insurance",  
    "damage",  
    "liability",  
    "property",  
    "injury",  
    "cover"  
  ],  
  "weights": [  
    0.15181488946722885,  
    0.2453745646039168,  
    0.10558896652410589,  
    0.0984933484188576,  
    0.3439404266486158,  
    0.13451440570784856,  
    0.3681957430381343,  
    0.07127016598209499,  
    0.06906804311819605,  
    0.06614323179875811  
  ]  
},
```

LEGAL DOCUMENT SEARCH ENGINE

WITH
QUERY EXPANSION

LEGAL DOCUMENT SEARCH ENGINE

With query expansion



Welcome to AMF's Legal Search System

Please select one of your interested roles

All 

With query expansion ☒

Select



Search System

Please input your query:

damage insurance

Return top K docs:

10

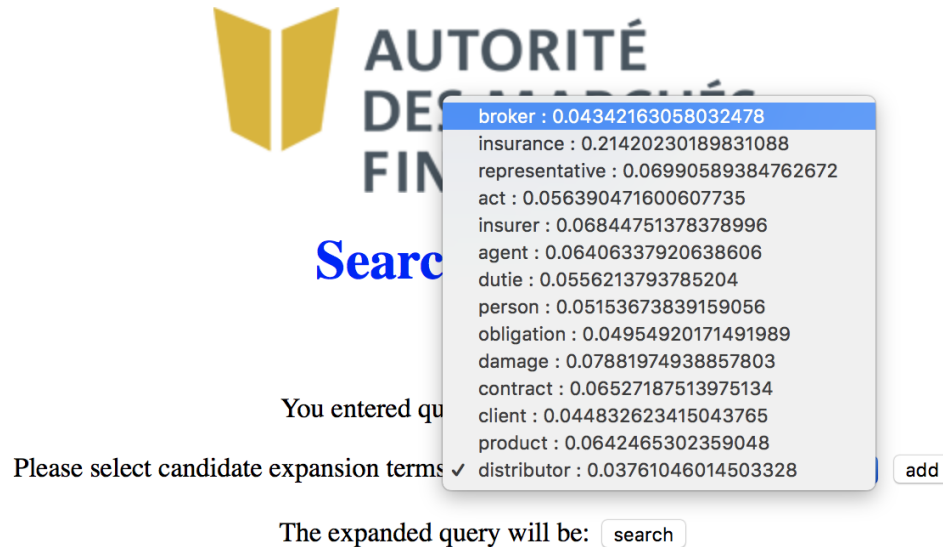
retrieval model:


BM25 ☐ LM ☒

submit

BASIC SEARCH ENGINE USING INDRI

With query expansion



 **AUTORITÉ
DES MARCHÉS
FINANCIERS**

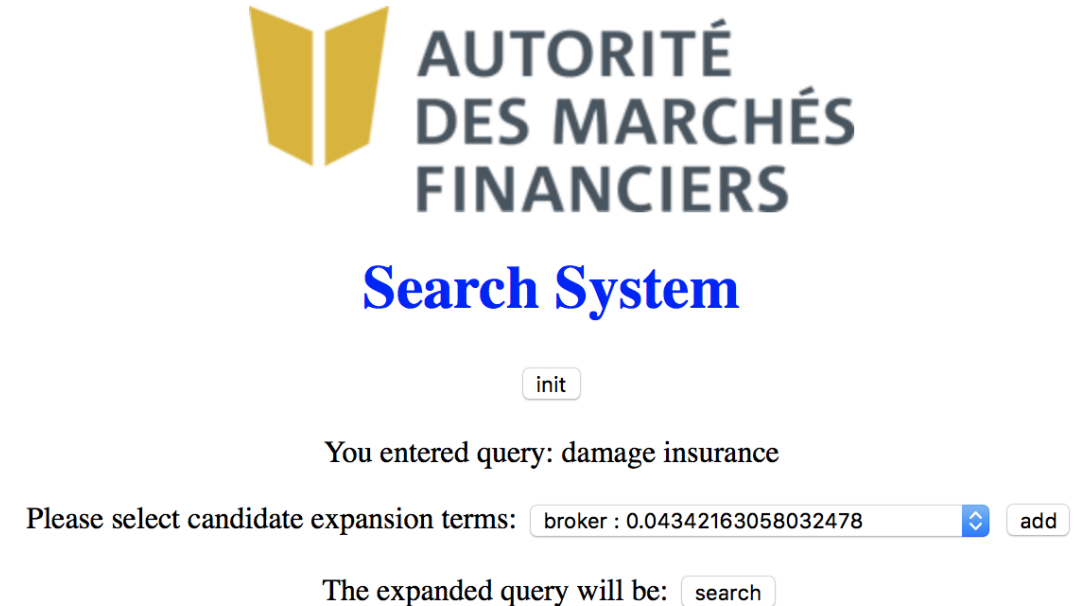
Search


You entered query: damage insurance

Please select candidate expansion terms:

- broker : 0.04342163058032478
- insurance : 0.21420230189831088
- representative : 0.06990589384762672
- act : 0.056390471600607735
- insurer : 0.06844751378378996
- agent : 0.06406337920638606
- dutie : 0.0556213793785204
- person : 0.05153673839159056
- obligation : 0.04954920171491989
- damage : 0.07881974938857803
- contract : 0.06527187513975134
- client : 0.044832623415043765
- product : 0.0642465302359048
- distributor : 0.03761046014503328

The expanded query will be:



 **AUTORITÉ
DES MARCHÉS
FINANCIERS**

Search System

You entered query: damage insurance

Please select candidate expansion terms:

The expanded query will be:

BASIC SEARCH ENGINE USING INDRI

With query expansion



Search Results

Guide-guide-gouvernance-conformite-inscrits_en-66 Pursue activities as a claims adjuster in a way that is incidental to the pursuit of activities as a damage insurance broker or agent. Therefore, most of his activities must be carried out as an agent or broker; Comply with the rules applicable to the activities of a claims adjuster, with the necessary modifications, when using Designation E; Disclose, in writing, to each client with whom he transacts business the type of remuneration he receives for services rendered as a claims adjuster. The following excerpt from the Avis relatif à l'application du Règlement sur l'exercice des activités des représentants, R.R.Q., c. 9.2, r.10, defines and explains the meaning of "incidental": [Translation] "Incidental in this context means 'secondary' and is reflected: In the time spent: It is an incidental activity that must be carried out in exceptional circumstances in the pursuit of his primary activities as a damage insurance broker or agent. In the damage insurance class within which the broker or agent is authorized to practise: Damage insurance brokers or agents identified as such, i.e., who hold Designation E, may act as claims adjusters only in the damage insurance sector class in which they are authorized to practise. For example, a personal-lines damage insurance broker may act as a claims adjuster only in personal-lines damage insurance cases." For further clarification, see the full text of the above notice. APPENDIX 3

Directive-2001mai30-directive-article33-en-0 Damage Insurers Insofar as section 33 of the Act respecting the distribution of financial products and services concerns both insurance of persons and damage insurance, the board of directors of the BSF mandated its office staff to solve the application of the specific terms and conditions of this section. In fact, section 33 of the Act provides that: "33. Where an insurer requires personal information of a medical or lifestyle-related nature in order to process an insurance proposal, the information must be collected using a form that is separate from the form used to collect the other information needed by the insurer." Further to an analysis of this article, the Bureau concluded that the obligation to collect information of a medical or lifestyle-related nature in a separate form to process an insurance proposal applies both to damage insurers and insurers in insurance of persons. However, the Bureau wished to identify specific terms and conditions for the damage insurance sectors. The board of directors adopted the following recommendations concerning the terms and conditions of application of section 33 of the Act in the damage insurance sector: THAT all information of a medical nature be collected by damage insurers in a separate form; THAT lifestyle-related pieces of information requiring the protection of sections 33 to 37 of the Act be those that are of a "sensitive" nature that could be used for purposes other than those for which they were collected and which should not, in any way, be held by a firm that offers both credit and insurance; THAT the information listed in the document dated August 14 (list of 14) should not be considered as being lifestyle-related nor should it be collected in a separate form, since it does not constitute information of a "sensitive" nature that could be used for purposes other than those for which it was collected; THAT the same principles be, in the future, applied by the Bureau and its Inspection Branch should the insurers decide to collect information other than that which this study has not made possible to identify and which could be of a "sensitive" lifestyle-related nature that must be collected in a separate form; Bulletin No. 14 - Published on May 30, 2001

PROBLEMS

- Different regulations apply to users of different roles
 - E.g. Damage Insurance Broker vs. Financial Planner
 - may care about **different** regulations.
- Solution
 - Scope Identification of sections

SCOPE OF APPLICABILITY FOR REGULATIONS

All roles:

- insurance representative,
 - representative in insurance of person,
 - group insurance representative,
 - damage insurance agent,
 - damage insurance broker,
- claims adjuster,
- financial planner,
- firm, independent representative, independent partnership

SCOPE OF APPLICABILITY FOR REGULATIONS

We use the rule match functions of [spaCY](#).

If the child section doesn't match a scope role, it will inherit the role of the parent chapter.

```
patterns = [  
    [{"LEMMA": "insurance"}, {"LEMMA": "representative"}],  
    [{"LEMMA": "representative"}, {'TAG': 'IN'}, {"LEMMA": "insurance"}, {'POS': 'ADP'}, {"LEMMA": "person"}],  
    [{"LEMMA": "group"}, {"LEMMA": "insurance"}, {"LEMMA": "representative"}],  
    [{"LEMMA": "damage"}, {"LEMMA": "insurance"}, {"LEMMA": "agent"}],  
    [{"LEMMA": "damage"}, {"LEMMA": "insurance"}, {"LEMMA": "broker"}],  
    [{"LEMMA": "claim"}, {"LEMMA": "adjuster"}],  
    [{"LEMMA": "financial"}, {"LEMMA": "planner"}],  
    [{"LEMMA": "firm"}],  
    [{"LEMMA": "independent"}, {"LEMMA": "representative"}],  
    [{"LEMMA": "independent"}, {"LEMMA": "partnership"}] ]
```

We request that all **representatives in insurance of persons** must, when placing a risk with an insurer with which they have, or with which the independent partnership or firm for which they act has, a business relationship, disclose that relationship to the person with whom they are transacting business.

SEARCH IN SCOPE



AUTORITÉ
DES MARCHÉS
FINANCIERS

Search Results

Loi-D-9-565 CHAPTER II FUNCTIONS AND POWERS OF THE AUTHORITY 0 The Authority may, by regulation, determine (1 the conditions to be met by a damage **insurance broker** in order to be authorized to act as a special broker, and the documents and reports that the broker must send to the Authority; (2 the amount or method of calculating the security that the firm for which such a broker is acting must furnish to the Authority to secure the obligations of the outside insurers whose products are distributed by the broker; (3 the information that the broker must give to clients in writing before placing a risk. 1998, c. 37, s. 212 1998, c. 37, s. 212 2002, c. 45, s. 499 2002, c. 45, s. 499 2004, c. 37, s. 90 2004, c. 37, s. 90

Loi-D-9-455 CHAPTER IV FINANCIAL PROVISIONS 0 The Authority may, by regulation, determine (1 the conditions to be met by a damage **insurance broker** in order to be authorized to act as a special broker, and the documents and reports that the broker must send to the Authority; (2 the amount or method of calculating the security that the firm for which such a broker is acting must furnish to the Authority to secure the obligations of the outside insurers whose products are distributed by the broker; (3 the information that the broker must give to clients in writing before placing a risk. 1998, c. 37, s. 212 1998, c. 37, s. 212 2002, c. 45, s. 499 2002, c. 45, s. 499 2004, c. 37, s. 90 2004, c. 37, s. 90

Loi-D-9-1118 TITLE XI TRANSITIONAL PROVISIONS 0 A damage **insurance broker** that, on 18 July 1999, pursues activities as a claims adjuster may, on making a first application for a certificate under this Act, include any document proving that the broker was authorized to pursue such activities on that date. 0 Notwithstanding section 534, where the Authority grants the application, the certificate shall indicate that the broker is authorized to act as a claims adjuster with regard to policies effected by the firm to which the broker is attached. 1998, c. 37, s. 539 1998, c. 37, s. 539 2002, c. 45, s. 499 2002, c. 45, s. 499 2004, c. 37, s. 90 2004, c. 37, s. 90

Loi-D-9-380 CHAPTER III OWNERSHIP OF DAMAGE INSURANCE FIRMS 0 For the purposes of this chapter, 0 — “financial institution” means a financial institution other than an insurer engaging exclusively in the business of reinsurance; 0 — “firm” means a firm registered for the damage insurance sector that acts through a damage **insurance broker** and does not engage exclusively in the business of reinsurance; 0 — “financial group” means a group made up of all or some of the following legal persons: a federation governed by the Act respecting financial services cooperatives (chapter C-67.3) and the legal persons that are members of the federation. 0 Any other group of legal persons composed of a financial institution and a legal person affiliated with the financial institution is also a financial group; 0 — “affiliated legal person” means a legal person that is controlled by or that controls another legal person. 0 A legal person affiliated with another legal person is deemed to be affiliated with any other legal person affiliated with that legal person; 0 — “controlled legal person” means a legal person in which more than 50% of the voting rights attached to its shares are held directly or indirectly by another legal person, or a majority of the directors of which can be elected by another legal person; 0 — “legal person related to a financial institution” or “legal person related to a financial group” means a legal person in which more than 20% of the shares or voting rights attached to the shares are held directly or indirectly by financial institutions or financial groups. 1998, c. 37, s. 147 1998, c. 37, s. 147 2000, c. 29, s. 639 2000, c. 29, s. 639

Loi-D-9-271 CHAPTER III OWNERSHIP OF DAMAGE INSURANCE FIRMS 0 For the purposes of this chapter, 0 — “financial institution” means a financial institution other than an insurer engaging exclusively in the business of reinsurance; 0 — “firm” means a firm registered for the damage insurance sector that acts through a damage **insurance broker** and does not engage exclusively in the business of reinsurance; 0 — “financial group” means a group made up of all or some of the following legal persons: a federation governed by the Act respecting financial services cooperatives (chapter C-67.3) and the legal persons that are members of the federation. 0 Any other group of legal persons composed of a financial institution and a legal person affiliated with the financial institution is also a financial group; 0 — “affiliated legal person” means a legal person that is controlled by or that controls another legal person. 0 A legal person affiliated with another legal person is deemed to be affiliated with any other legal person affiliated with that legal person; 0 — “controlled legal person” means a legal person in which more than 50% of the voting rights attached to its shares are held directly or indirectly by another legal person, or a majority of the directors of which can be elected by another legal person; 0 — “legal person related to a financial institution” or “legal person related to a financial group” means a legal person in which more than 20% of the shares or voting rights attached to the shares are held directly or indirectly by financial institutions or financial groups. 1998, c. 37, s. 147 1998, c. 37, s. 147 2000, c. 29, s. 639 2000, c. 29, s. 639

FUTURE WORK

- Query expansion based query logs
- Question answering for legal questions
- Machine Reading for legal regulation understanding
- Data is critical

DEMO

THANKS