Extreme events situation and Business Continuity in Japan

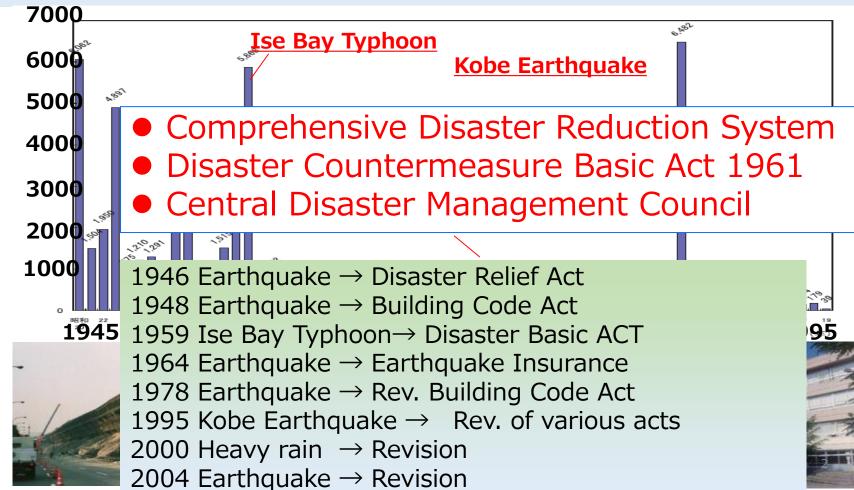
Role of Standard and Conformity Assessment (C/A) in Disaster risk reduction (DRR) Framework

27th April 2018

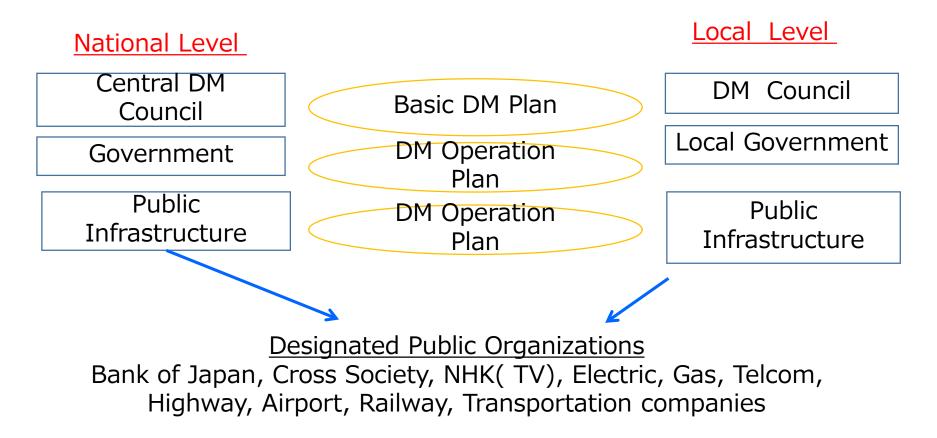
A Mitsubishi Corporation Insurance Co., Ltd.

1

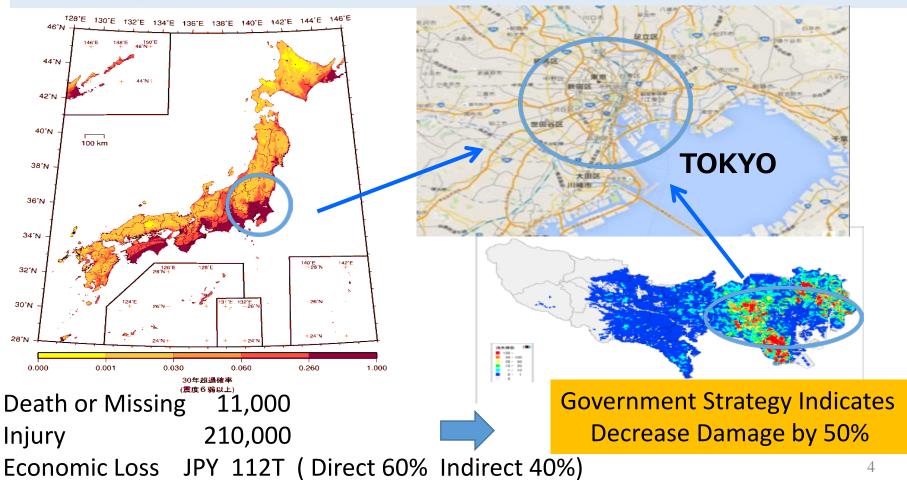
Casualties by Natural Disasters in Japan



Disaster Management System



Percentage of Scale 6 Earthquake with in 30 years



Government Strategy on Business Continuity by 2020

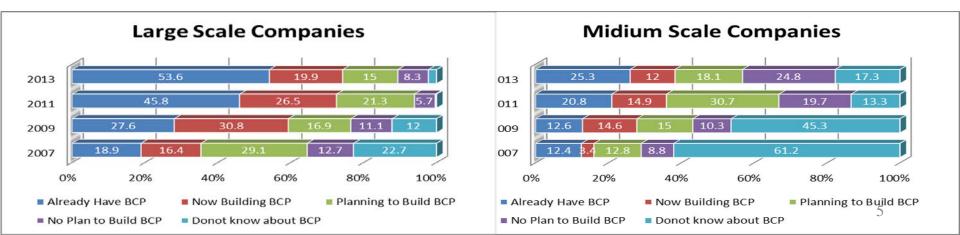
♦ Raise Business Continuity Planning adoption ratio Large scale companies 18.9%(2007) → 100% Medium scale companies 12.4%(2007) → 50%

Cabinet Office published several guidelines e.g. "BCM Guideline (2005)"

♦ Banks · Electricity · Gas · Telecom etc Mandatory by Regulations
 ♦ ISO22301/22313 Business Continuity Management System (2012)

training of a second second of the

And Below States and States



Great East Japan Earthquake and Tsunami 2011.3.11.



Supply chain Disruption

Impact to Disaster hit area

- Direct loss
- Human loss
- Building houses infrastructures
- Difficult to secure employment
- Decrease tax revenue
- Lose company and local competitiveness
- Degradation of regional moral

Impact to Disaster non-hit area

- Supply Chain Reaction by Indirect Losses
- 337 private firms bankrupt in 6 months
- Total 1,699 firms bankrupt in 6 yrs

Photo taken at Miyako City, Iwate Prefecture Courtesy of Tarocho Fisheries Cooperative Association

Dysfunction of Public Services

237 out of 352 local governments lost function

- Emergency response activity
- Supply of relief goods
- Missing of Residential Registered Data

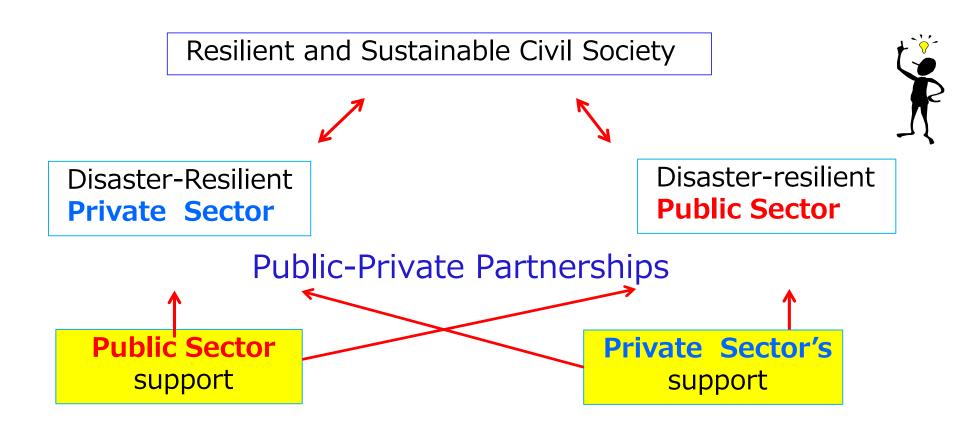
Public Sector's Role and Private Sector's Role



Emergency recovery operation of Tohoku Expressway

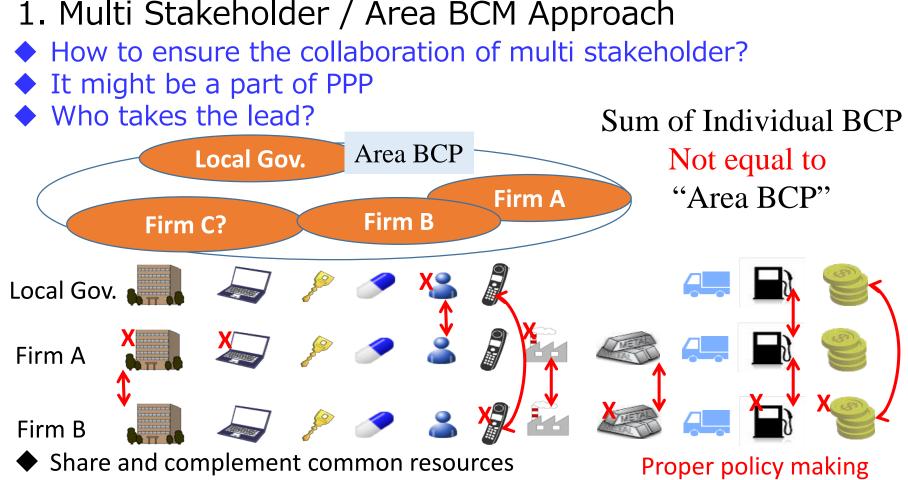
- ➤Contributed delivery of the relief goods and supplies to the affected area and also recovery of the economy in Japan.
- ➢But on the other hand, this quick recovery has been accomplished from the quick resumption of private sector's labor and services (construction).

Public Private Partnership



Government Strategy Public Sector BCM

- ◆ 2010 Cabinet Office published "BCM Guideline for Local Gov."
- ◆ 2011 GEJE occurred
- Survey of BCMS status
 2013 Prefectural Gov. 59% (28/47) City/Towns 13% (228/1742)
 2015 89% (42/47) 36% (635/1741)
- 2015 Cabinet Office published "BCM Guideline for City/Town"
 2016 Cabinet Office published "BCM case studies on response and prepared ness"
- Encouraging Developed BCP >> Start drilled and training
 Not yet >> Develop BCP quickly



Promote strategic investment and avoid redundancy

Proper policy making for resilient society

2. Secure level and effectiveness of BCP/BCM

How to measure the level of BCP/BCM?

Is ISO Certification enough? The solution of BCM rating Rating and communication : 100 questions



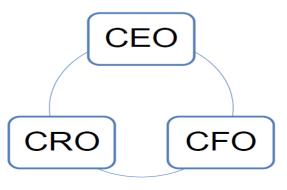
Disaster Risk Reduction

- A Corporate disaster prevention system
- B Life and safety preservation measures
- C Contribution to community and regional disaster prevention efforts
- D Disaster drills (emergency response, initial response, etc.)
- E Outstanding disaster prevention initiatives
- F Compliance

Business Continuity Management

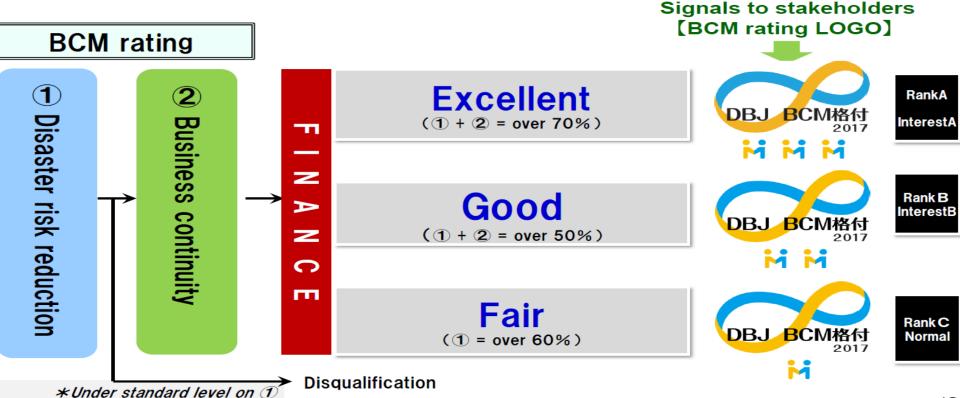
- G Preparation of basic policy, business continuity framework, business continuity risk assessment
- H Business impact analysis (BIA)
- I Strategic thinking on business continuity
- J Outstanding components of business continuity plan
- K Risk management for supply chain and value chain
- L Business continuity education: training and review
- M Cooperation on BCM with others in industry
- N Communication and publicity activity on risk and risk management
- O Outstanding initiatives in business continuity management







The solution of BCM rating Product design, rating process



1.5



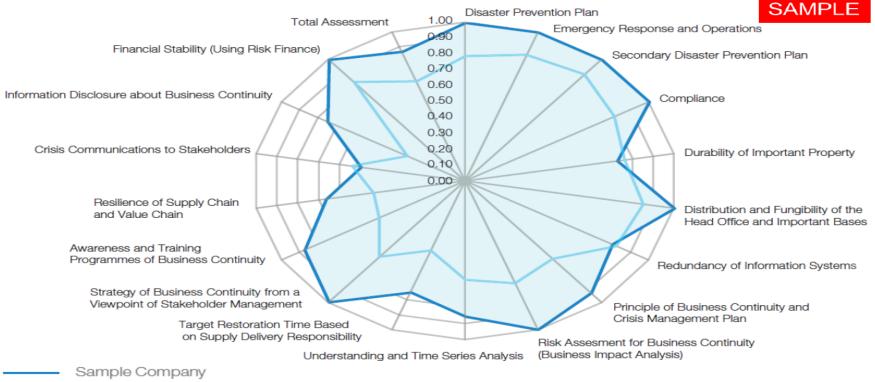
The solution of BCM rating Track records : 277deals & 29.9USDbillion (2012FY-2016FY)

^{楽しい電子部品を究めます} ALPS。 アルプス電気 様	FUJITR KRNKO 藤田観光 様	P腔 様	HALOWS	TOTO	本の For a Lively World 大成建設 様	No.15 ¹¹¹⁰¹ Capital KENEDO 5937-027年間線表表し KENEDOK Really Investment Corporation ケネディクス不動處投資法人 様	日本をおいしくする SHOWA 昭和産業 様
した空港ビルデング様		DAIFUKU ダイフク様	Sgホールディングス 様	多西部ガス 西部瓦斯 様	nishikowa 西川ゴム工業 様	Suzuyo 命与 様	了 京和総合建物 様
國三ツ星ベルト ^{三ツ星ベルト 様}			NISSEI E種ものゴくりホール・ディングス 様		Kowa _{興和} 様	〇ニッスイ 日本水産 様	DPTOELECTRONICS オプトエレクトロニクス 様
Nagashima Resort ナガシマリゾート 長島観光開発 様	④日本曹達林式会社 日本曹達様式会社	▶ <u>財國法人博 怒 会</u> Healthcare foundation 博慈会 様	で EXGINEERING 東洋エンジニアリング様		<u> 南西ユーJビ-</u> 関西スーパーマーケット 様	DAIYU 8 ダイユーエイト 様	レントレント HULIC
	センコン物流 様	でして TOKAI GAS 東海ガス 様	AGC 旭硝子 ^{旭硝子 様}	 東銀リース株式会社 BOT Lease GoLtd. 東銀リース 様 	東陽倉庫株式会社 TOYO LOGISTICS CO., LTD. 東陽倉庫 様	世界的すきま発想。 3日本化薬 日本化薬 様	JCV上結ケーブルビジョン 株式会社 上越ケーブルビジョン 様
西武ホールディングス	CASEBUCE が Sunshine City サンシャインシティ 様	₭ anachu 神奈川中央交通 様	近畿日本鉄道株式会社 近畿日本鉄道 様	07Net 07Net 九州通信ネットワーク 様	 ・	 エAHEIYO CEMENT 太平洋セメント 様	UNIT 日本自教車クーミナル移式会社 Japan Mare Terranal Ce.J.M. 日本自動車ターミナル 様
アレビス 様 オン高度紙工業 様	✓ VARUSHIMA DEINKO CO.LTD 星久島電工株式会社 屋久島電工 様	TOYO GOSEI 東洋合成工業 様	ケーブルメディアワィワィ ケーブルメディアワイワイ 様	HOTEL NEW GRAND ホテル、ニューグランド 様	MAIYA TT #	FUJISAKI ^{藤崎 様}	白謙蒲鉾店 様



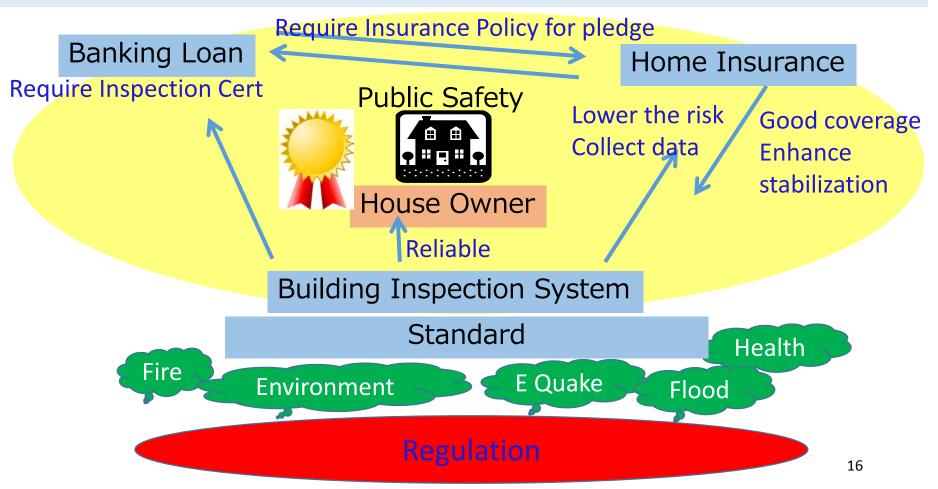
The solution of BCM rating

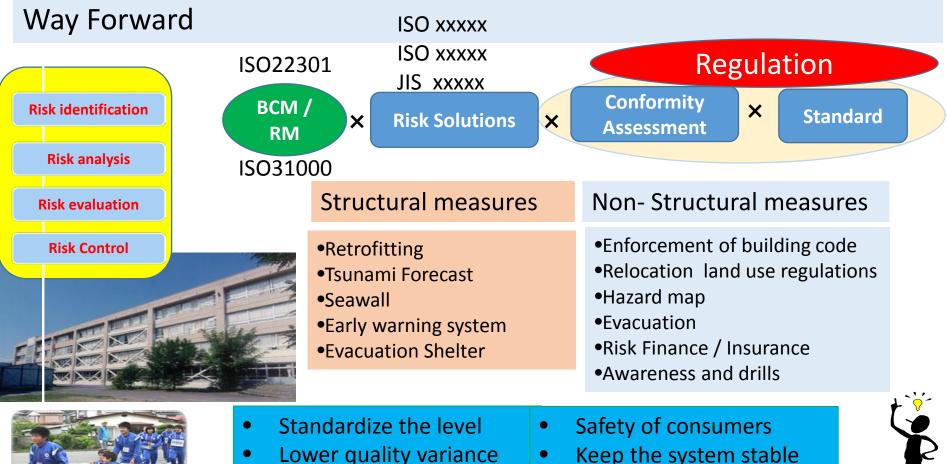
Feedback: The communication tool to CEO,CRO and CFO



Aggregated Assessed Companies 2011 Fiscal Year Average

Public Safety enhanced by Building Inspection System





Reduce risk

Thank you for your attention

Takahiro ONO

Mitsubishi Corporation Insurance

Asian Disaster Reduction Center

onotaco@gmail.com

T-ono3792@mcic.co.jp