

## Mitigation Planning Self Appraisal Checklist

| Title  | Complete (or yes) | Underway | To be started soon | Under consideration | Not likely to be done |
|--|-------------------|----------|--------------------|---------------------|-----------------------|
|  | 1                 | 2        | 3                  | 4                   | 5                     |
| A. Basic Studies   |                   |          |                    |                     |                       |
| 1. Identified and described the natural hazards which occur in your country, including   |                   |          |                    |                     |                       |
| a. Hazardous elements  |                   |          |                    |                     |                       |
| b. Probability & frequency   |                   |          |                    |                     |                       |
| c. Magnitude   |                   |          |                    |                     |                       |
| 2. Mapped the geographic areas which are vulnerable to each natural hazards identified.  |                   |          |                    |                     |                       |
| 3. Analyzed the characteristics of the existing built environment in those areas which are vulnerable to the natural hazards.                          |                   |          |                    |                     |                       |
| 4. Analyzed the characteristics of the built environment that could be built in the future in these areas which are vulnerable to the natural hazards. |                   |          |                    |                     |                       |
| 5. Identified critical facilities e.g. hospitals, schools, infrastructure that are located in vulnerable areas.  |                   |          |                    |                     |                       |
| 6. Analyzed the population including special populations which are vulnerable to natural hazards.  |                   |          |                    |                     |                       |
| 7. Identified areas which contain toxic or hazardous materials.  |                   |          |                    |                     |                       |
| 8. Identified the elements and amounts of the economic base that are located in vulnerable areas.  |                   |          |                    |                     |                       |
| 9. Analysis of legal, fiscal, political and technical capability to mitigate the impacts of the natural hazards.                                       |                   |          |                    |                     |                       |
| 10. Risk analysis or conclusions regarding present status  |                   |          |                    |                     |                       |

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|                                       | 1                 | 2        | 3                  | 4                   | 5                     |
| B. Mitigation Plan Elements           |                   |          |                    |                     |                       |
| 1. Purpose or rationale               |                   |          |                    |                     |                       |
| 2. Goals                              |                   |          |                    |                     |                       |
| 3. Objectives                         |                   |          |                    |                     |                       |
| 4. Policies, programs, strategies     |                   |          |                    |                     |                       |
| 5. Evaluation, indicators, benchmarks |                   |          |                    |                     |                       |
| 6. Revisions                          |                   |          |                    |                     |                       |
| C. Mitigation Plan Characteristics    |                   |          |                    |                     |                       |
| 1. Multi Hazard                       |                   |          |                    |                     |                       |
| a. Hurricane                          |                   |          |                    |                     |                       |
| b. Flood                              |                   |          |                    |                     |                       |
| c. Volcano                            |                   |          |                    |                     |                       |
| d. Earthquake                         |                   |          |                    |                     |                       |
| e. Other (specify)                    |                   |          |                    |                     |                       |
| 2. Multiple objectives                |                   |          |                    |                     |                       |
| 3. Operationalized                    |                   |          |                    |                     |                       |
| a. In day to day operations           |                   |          |                    |                     |                       |
| b. Preparation                        |                   |          |                    |                     |                       |
| c. Response                           |                   |          |                    |                     |                       |
| d. Recovery                           |                   |          |                    |                     |                       |
| 4. Type of plan                       |                   |          |                    |                     |                       |
| a. Stand alone                        |                   |          |                    |                     |                       |

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| b. Part of comprehensive plan                |                   |          |                    |                     |                       |
| c. Part of emergency management plan         |                   |          |                    |                     |                       |
| d. Combination                               |                   |          |                    |                     |                       |
| e. Other                                     |                   |          |                    |                     |                       |
| 5. Who is responsible for preparing the plan |                   |          |                    |                     |                       |
| a. Emergency management                      |                   |          |                    |                     |                       |
| b. Planning                                  |                   |          |                    |                     |                       |
| c. Public works                              |                   |          |                    |                     |                       |
| d. Other                                     |                   |          |                    |                     |                       |
| D. Mitigation Tools & Techniques Used        |                   |          |                    |                     |                       |
| 1. Alteration of environment                 |                   |          |                    |                     |                       |
| a. Sand-trapping structures                  |                   |          |                    |                     |                       |
| (1) Groins                                   |                   |          |                    |                     |                       |
| (2) Jetties                                  |                   |          |                    |                     |                       |
| b. Sand-moving structures                    |                   |          |                    |                     |                       |
| (1) Beach nourishment                        |                   |          |                    |                     |                       |
| (2) Sand-scraping                            |                   |          |                    |                     |                       |
| c. Shoreline protection works                |                   |          |                    |                     |                       |
| (1) Seawalls                                 |                   |          |                    |                     |                       |
| (2) Revetments                               |                   |          |                    |                     |                       |
| (3) Bulkheads                                |                   |          |                    |                     |                       |
| (4) Terraces                                 |                   |          |                    |                     |                       |

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| (5) Breakwaters   |                   |          |                    |                     |                       |
| d. Flood control works                                  |                   |          |                    |                     |                       |
| (1) Dams  |                   |          |                    |                     |                       |
| (2) Dikes and levees                                    |                   |          |                    |                     |                       |
| (3) Retaining ponds                                     |                   |          |                    |                     |                       |
| (4) Floods channels                                     |                   |          |                    |                     |                       |
| 2. Strengthening buildings and facilities               |                   |          |                    |                     |                       |
| a. Strengthening buildings                              |                   |          |                    |                     |                       |
| (1) Floodproofing                                       |                   |          |                    |                     |                       |
| (2) Elevating   |                   |          |                    |                     |                       |
| (3) Windproofing  |                   |          |                    |                     |                       |
| b. Strengthening facilities                             |                   |          |                    |                     |                       |
| (1) Floodproofing                                       |                   |          |                    |                     |                       |
| (2) Elevating   |                   |          |                    |                     |                       |
| (3) Windproofing  |                   |          |                    |                     |                       |
| 3. Development management tools/techniques              |                   |          |                    |                     |                       |
| a. Plans  |                   |          |                    |                     |                       |
| (1) General comprehensive plan                          |                   |          |                    |                     |                       |
| (2) Reconstruction plans                                |                   |          |                    |                     |                       |
| (3) Resource management plan                            |                   |          |                    |                     |                       |
| (4) Recovery and reconstruction plan                    |                   |          |                    |                     |                       |
| (5) Long-term economic recovery and reconstruction plan |                   |          |                    |                     |                       |

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|  | 1                 | 2        | 3                  | 4                   | 5                     |
| b. Ownership of rights in land                         |                   |          |                    |                     |                       |
| (1) Easements/purchase of development rights           |                   |          |                    |                     |                       |
| (2) Transfer of development rights (TDR) programs      |                   |          |                    |                     |                       |
| (3) Land acquisition                                   |                   |          |                    |                     |                       |
| (3) Advanced site acquisition; land banking            |                   |          |                    |                     |                       |
| (4) Relocation of existing development                 |                   |          |                    |                     |                       |
| (5) Purchase sellback/leaseback                        |                   |          |                    |                     |                       |
| (6) Purchase option, right of first refusal            |                   |          |                    |                     |                       |
| c. Infrastructure                                      |                   |          |                    |                     |                       |
| (1) Capital programming                                |                   |          |                    |                     |                       |
| (2) Focused public investment plan                     |                   |          |                    |                     |                       |
| (3) Service areas                                      |                   |          |                    |                     |                       |
| d. Taxation and fees                                   |                   |          |                    |                     |                       |
| (1) Special assessment districts                       |                   |          |                    |                     |                       |
| (2) Impact fees/system development charges             |                   |          |                    |                     |                       |
| (3) Development impact tax/improvement tax             |                   |          |                    |                     |                       |
| (4) Developer exactions                                |                   |          |                    |                     |                       |
| (5) Differential assessment                            |                   |          |                    |                     |                       |
| (6) Land gains taxation, transfer or development taxes |                   |          |                    |                     |                       |
| 4. Development regulation                              |                   |          |                    |                     |                       |
| a. Zoning  |                   |          |                    |                     |                       |
| b. Subdivision regulation                              |                   |          |                    |                     |                       |

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| c. Overlay zones  |                   |          |                    |                     |                       |
| d. Agriculture zones  |                   |          |                    |                     |                       |
| c. Contract or conditional zones  |                   |          |                    |                     |                       |
| d. Special exception  |                   |          |                    |                     |                       |
| e. Bonus and incentive zoning   |                   |          |                    |                     |                       |
| f. Floating zones   |                   |          |                    |                     |                       |
| g. Density transfer/average density/cluster   |                   |          |                    |                     |                       |
| h. Performance or impact zoning   |                   |          |                    |                     |                       |
| i. Urban growth boundary  |                   |          |                    |                     |                       |
| j. Specific development plans   |                   |          |                    |                     |                       |
| k. Rate allocation systems; growth phasing  |                   |          |                    |                     |                       |
| l. Mandatory low-income housing construction ordinance  |                   |          |                    |                     |                       |
| m. Environment impact   |                   |          |                    |                     |                       |
| n. Areas of environmental concern   |                   |          |                    |                     |                       |
| o. Special area management programs   |                   |          |                    |                     |                       |
| 5. Information dissemination  |                   |          |                    |                     |                       |
| a. Real estate disclosure requirements  |                   |          |                    |                     |                       |
| b. Community awareness programs   |                   |          |                    |                     |                       |
| c. Educate public officials on their role and responsibilities  |                   |          |                    |                     |                       |
| d. Business and industry hazard awareness and education to identify safety problems and increase business survivability |                   |          |                    |                     |                       |

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| e. Promote awareness and education among professional groups (e.g. engineers, educators, city managers) |                   |          |                    |                     |                       |
| f. Community-wide awareness and education   |                   |          |                    |                     |                       |