**Flow chart protection concept emergency plan (source: GDV/VdS 3521).**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | **Hazards evaluation** | * Which flood hazards related to the location and property (e. g. floods, heavy rainfall, flash floods, and backwater) exist? * Which areas (assets, buildings, plants, etc.) are at risk depending on the hazard? | **Regular inspection is required!** |
| **2** | **Risk assessment** | * What flood level can be expected for the individual objects (assets, buildings, plants, etc.), depending on the hazard and considering existing protective measures (type/scope)? * What hazard can damage relevant objects (equipment, material, etc.), and which process, e.g., operations of organisations, can be impaired? * What threats can affect life and health, and cause damage to property or interruption of operations? |
| **3** | **Development and implementation of  protection concept** | * Which objectives are defined depending on the hazard? * Which protective measures (constructional, technical, and operational) are required depending on the hazard and planned and implemented to protect against relevant hazards and minimize risks? * Are existing protective measures regularly maintained? |
| **4** | **Development and implementation of  emergency plan** | * How is the emergency case defined depending on the hazard? * Who has to do when what, where, and how, e. g. activation of the emergency and business continuity management (BCM, see also CFPA- guideline No. 1N ) plan? * How are the emergency measures communicated and prepared? * How and at what intervals are the emergency measures practiced, documented, and evaluated? |
| **5** | **Documentation and**  **Conclusions** | * How is an event documented and analysed as an emergency (time, type, and scope)? * Are the hazard evaluation, risk assessment, and emergency plan reviewed? * What adjustments, if any, should be made? | **After the event** |