Annex 1 – Figures for Final Report

Figure 1: Diagrammatic Depiction of a simple coordination game
Figure 2: SECONOMICS Approach

Figure 3: SECONOMICS Workpackage Structure and functions
Figure 4: Workpackage Interaction and Looping Mechanism
A group of terrorists want to reach up to ATC facilities and Air Traffic Controllers by using weak points in security checks at a small South-eastern European Airport to get into ATC operations. In the centre of the airport operations, ATM related security incidents can create flight safety databases and damages on the high cost facilities, equipment and airplanes.

1. The airport ATC Tower has its only access gate within the terminal main hall. One can only reach this gate after passing the security checks situated at the entrance of the terminal building, which are performed by the private security personnel. Access to the ATC Tower is controlled by the ATCOs with the aid of a camera installed over the access gate. The group of terrorists plan to enter the tower and take hold of air traffic control before or during the flight operations. After passing by the first security checks, the attackers create an opportunity to enter into the ATC Tower gate, capture the ATCOs and use telecommunications to interfere with air traffic operations.

Main impacts of the attack will be crisis for air traffic operations in the air field and airspace. The flight safety will be negatively affected and air traffic should be diverted to the other ATC unit or air field. All flight operations are cancelled or diverted to alternative airports. Besides the safety and security impacts the cancellation cost can be enormous with the connected national and international flights and airport/airspace. Media will probably inform people immediately about the situation. This will cause new emergencies around the airport facilities and operators. Moreover, the situation will lead to a negative security perception for airport users and could cause a decrease of air traffic in the short-term.