PATENT CLAIMS

1. A system comprising:

a separable projectile configured to comprise a payload container and a separation charge arranged behind the payload container;

the payload container comprising measuring equipment for testing the projectile; and

the payload container comprising an effect part for effect against a target;

wherein the projectile is modifiable by changing payload container from a test embodiment to an effect embodiment.

2. The system according to claim 1, wherein the separation charge comprises a propellant charge comprising a smokeless nitrocellulose propellant.

3. The system according to either of claims 1 or 2, wherein the projectile comprises a pyrotechnic primer charge for initiating the separation charge.

4. The system according to claim 3, wherein the projectile comprises a proximity for activating the pyrotechnic primer charge.

5. The system according to one of claims 1–4, wherein the payload container, in the test embodiment, comprises measuring equipment for measuring acceleration stresses, velocity, altitude and / or temperature of the projectile during acceleration and trajectory phase of the projectile.

6. The system according to one of claims 1–5, wherein the payload container consists of an integral unit, entirely or partially closed.

7. The system according to one of claims 1–6, in a test embodiment, wherein the projectile comprises a parachute connected to the payload container for recovery of the payload container after separation from the projectile.

8. The system according to claim 7, wherein the parachute is arranged and packed in a separable parachute container arranged in or adjacent to a rear part of the payload container.

9. The system according to one of claims 1–4, wherein the payload container in the effect embodiment is separable in two or more parts after separation from the projectile for releasing an effect part.

10. The system according to one of claims 1–4 or 9, wherein the payload container, in the effect embodiment, comprises an effect part comprising at least one effect projectile and at least one explosive charge for aimed effect against a target in a forward direction of the projectile.

11. The system according to one of claims 1–4, 9 or 10, wherein the payload container comprises a delay charge for delayed initiation of the effect part of the payload container.

12. Method for modifying a system according to one of claims 1–11 from a test embodiment to an effect embodiment by:

i. detaching a front projectile body from a rear projectile body,

ii. arranging a payload container in the front projectile body where the payload container comprises measuring equipment or at least one effect part,

iii. fitting the front projectile body to the rear projectile body by way of a belt.