Claims

1. An aerial distribution system for deploying items, comprising:

a box open at the top;

a lid detachably coupled to the box and adapted to cover the open top of the box;

a plurality of items within the box;

a flexible liner coupled to the box and containing the plurality of items; and

at least one strap coupling the lid to the flexible liner;

wherein during deployment of the aerial distribution system, air drag removes the lid from the box and inverts the flexible liner through the open top of the box to eject the plurality of items from the box.

2. The aerial distribution system of claim 1, further comprising a breakaway bottom of the box coupled to the flexible liner, wherein during deployment, breakaway bottom is forced through the box and assists in ejecting the plurality of items from the box.

3. The aerial distribution system of claim 1, wherein the flexible liner is coupled to the box along an upper edge of the box.

4. The aerial distribution system of claim 1, wherein the plurality of items are aerodynamic supply packs.

5. The aerial distribution system of claim 1, wherein there are four straps coupling the lid to the flexible liner.

6. The aerial distribution system of claim 5, wherein each strap is coupled to a corner of the lid and a central portion of the flexible liner.

7. The aerial distribution system of claim 6, further comprising a reinforcement positioned at the central portion of the flexible liner.

8. An aerial distribution container, comprising:

a box open at the top;

a lid detachably coupled to the box and adapted to cover the open top of the box;

a flexible liner coupled to the box; and

at least one strap coupling the lid to the flexible liner;

wherein during deployment of the aerial distribution system, air drag removes the lid from the box and inverts the flexible liner through the open top of the box.

9. The aerial distribution container of claim 8, further comprising a breakaway bottom of the box coupled to the flexible liner, wherein during deployment, breakaway bottom is forced through the box.

10. The aerial distribution container of claim 8, wherein the flexible liner is coupled to the box along an upper edge of the box.

11. The aerial distribution container of claim 8, wherein there are four straps coupling the lid to the flexible liner.

12. The aerial distribution container of claim 11, wherein each strap is coupled to a corner of the lid and a central portion of the flexible liner.

13. The aerial distribution container of claim 12, further comprising a reinforcement positioned at the central portion of the flexible liner.