CLAIMS

[Claim 1]
A control system for a flying object used for controlling a flying object comprising:
A plurality of markers arranged along a flight route and comprising control information relating to control of the flying object;
the control information of a first marker of the plurality of makers comprising :
control information for the flying object to move from the first marker to a second marker of the plurality of markers along the flight route; and
fail-safe information relating to behavior of the flying object when an abnormality occurs with respect to the controller or the flying object along the flight route from the first marker to a second maker of the plurality of markers;
a controller which controls the flying object, wherein the controller includes:
a reading unit which reads the control information from the plurality of markers;
a flight information transmitting unit which generates flight information in a form readable by the flying object based on the control information read by the reading unit and transmits the flight information to the flying object
wherein upon detection of an abnormality with respect to the controller or the flying object along the flight route from the first marker to a second marker of the plurality of markers, the controller selects and transmits predetermined overriding flight information corresponding to the fail-safe information of the first marker to the flying object.

[Claim 2]
The control system for a flying object according to claim 1, wherein:
the flying object has an image capturing unit which captures an image described in the marker; and
the reading unit reads the control information from the image captured by the image capturing device.

[Claim 3]
The control system for a flying object according to claim 2, further comprising a flight information correcting unit which corrects the flight information based on the image.

[Claim 4]
The control system for a flying object according to any one of claims 1 to 3, wherein:
the at least one marker includes a first marker and a second marker; and
the first marker has first control information relating to a movement vector of the flying object to the second marker.

[Claim 5]
The control system for a flying object according to any one of claims 1 to 4, further comprising a detecting unit that detects the at least one marker,
wherein the flight information transmitting unit generates flight information indicating hovering of the flying object when the at least one marker is detected by the detecting unit.

[Claim 6]

The control system for a flying object according to any one of claims 1 to 5,wherein:

the flying object has a distance sensor for measuring a distance between the flying object and structures surrounding the flying object; and

the at least one marker has second control information relating to a flight state calculated from information from the distance sensor.