

# Drones - 米国事情

資料1-4

2015年5月28日

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特別顧問



# ゴールドドラッシュ！

商用サービスに向けて…



amazon  
Prime Air

Parrot



Google™ [x]

SDR

GoPro®  
Be a HERO. 

# 連邦航空局（FAA）による規制案の発表

2015年2月15日 Docket No. FAA-2015-0150; Notice No. 15-01

## THE WALL STREET JOURNAL.

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<http://www.wsj.com/articles/obama-issues-privacy-rules-for-government-drones-in-u-s-1424015402>

U.S.

## FAA Proposes Rules to Allow Commercial Drone Flights in U.S.

Long-Awaited Guidelines Come as Obama Issues Privacy Rules for Government Drones



The FAA's proposed rules for flying drones in the U.S. for commercial purposes come about four years behind schedule.

PHOTO: REUTERS

By JACK NICAS and ANDY PASZTOR

Updated Feb. 15, 2015 1:43 p.m. ET



# 連邦航空局（FAA）による規制案（1）

[https://www.faa.gov/regulations\\_policies/rulemaking/recently\\_published/media/2120-AJ60\\_NPRM\\_2-15-2015\\_joint\\_signature.pdf](https://www.faa.gov/regulations_policies/rulemaking/recently_published/media/2120-AJ60_NPRM_2-15-2015_joint_signature.pdf)



目視下で：  
**Visual line-of-sight (VLOS)**

重さ：25kg以下

スピード：100mph以下

高度：500ft以下



# 連邦航空局（FAA）による規制案（2）

[https://www.faa.gov/regulations\\_policies/rulemaking/recently\\_published/media/2120-AJ60\\_NPRM\\_2-15-2015\\_joint\\_signature.pdf](https://www.faa.gov/regulations_policies/rulemaking/recently_published/media/2120-AJ60_NPRM_2-15-2015_joint_signature.pdf)

## 17歳以上

## 検定試験

## 2年更新



17歳未満の方のご入場  
は固くお断り致します

pirta.jp - 4818796



## 型式認定不要

## 機体マーキング必要

|  |   |
|--|---|
| DEPARTMENT OF TRANSPORTATION<br>UNITED STATES OF AMERICA<br>FAA - FEDERAL AVIATION ADMINISTRATION  |   |
| 1. NATIONALITY AND REGISTRATION MARKS<br><b>NZ631A</b>   | 4. CATEGORY<br><b>NORMAL</b>  |
| 2. AUTHORITY AND BASIS FOR ISSUANCE<br>This aircraftness certificate is issued to the holder of this certificate and certifies that, as of the date of issuance, the aircraft to which issued has been shown to comply with the applicable Federal Aviation Regulations and related aircraftness rules as provided by Annex 8 to the Chicago Convention. | 3. TERMS AND CONDITIONS<br>Unless otherwise specified, this aircraftness certificate is issued on the condition that the holder of this certificate shall maintain the aircraft in accordance with the applicable Federal Aviation Regulations and related aircraftness rules as provided by Annex 8 to the Chicago Convention. |
| DATE OF ISSUANCE<br><b>08-10-95</b>  | DESIGNATION NUMBER<br><b>SW-FSDO-OKC</b>  |
| FAA Form 8100-2 (8-85)   |   |



多くのコメントがF A Aに

**BVLOS=Beyond Visual Line of Sight（目視外）への対応を！**



# BVLOS (Beyond Visual Line of Sight) に向けて



<http://www.regulations.gov/#!documentDetail;D=FAA-2015-0150-4084>

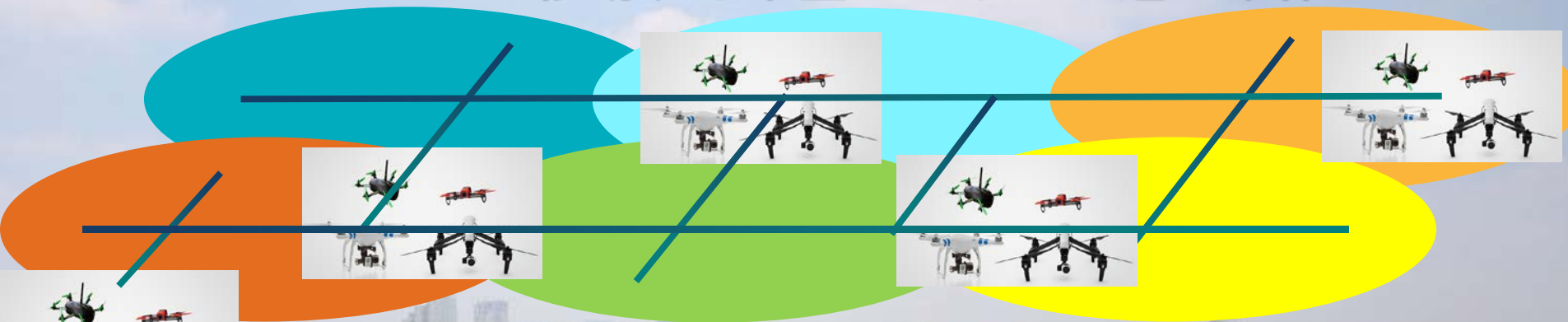


<http://www.regulations.gov/#!documentDetail;D=FAA-2015-0150-4474>

- セルラー通信技術の活用
- ライセンスバンドの活用
- ネットワーク事業者（セルラー・オペレータのような）の活用

# 新しい産業の創生と規制のバランス

**Droneが移動する中空のエリアと道の確保**



**多数のDroneの収容と効率的移動**

**新しい産業**

- インフラ提供サービス
- Drone運行管理サービス
- 各種商用サービス  
(運輸、観光、防犯、防災、他)
- 機器ハード、ソフト、部品

**規制の対象**

- 電波利用
- オペレータ事業
- 商用サービス
- 機器認証、認定
- 不正対策



# Thank you

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