

DCL & D-ATIS Service in China



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SUMMARY

CAAC started to offer DCL and D-ATIS services at 15 airports in China from 2008, according to the standards of ARINC 623, EUROCAE ED-85A, EUROCAE ED-89A, and will finish the implementation at another 29 airports bby the end of 2015. Till then, altogether 44 airports in China will have the service of DCL and D-ATIS.



INTRODUCTION

Data link Departure Clearance(DCL) service and Data link Automatic Terminal Information Service (D-ATIS) are most applications in Data link Flight Information Service(DFIS). Based on the successful trial and implementation of DFIS, and the efficiency & safety benefits which it brings, Asia and Pacific Air Navigation Planning and Implementation Regional Group(APANPIRG) has announced at the 14th meeting in Aug 2003, that the applications of DFIS will be the key and preferential project of CNS/ATM.



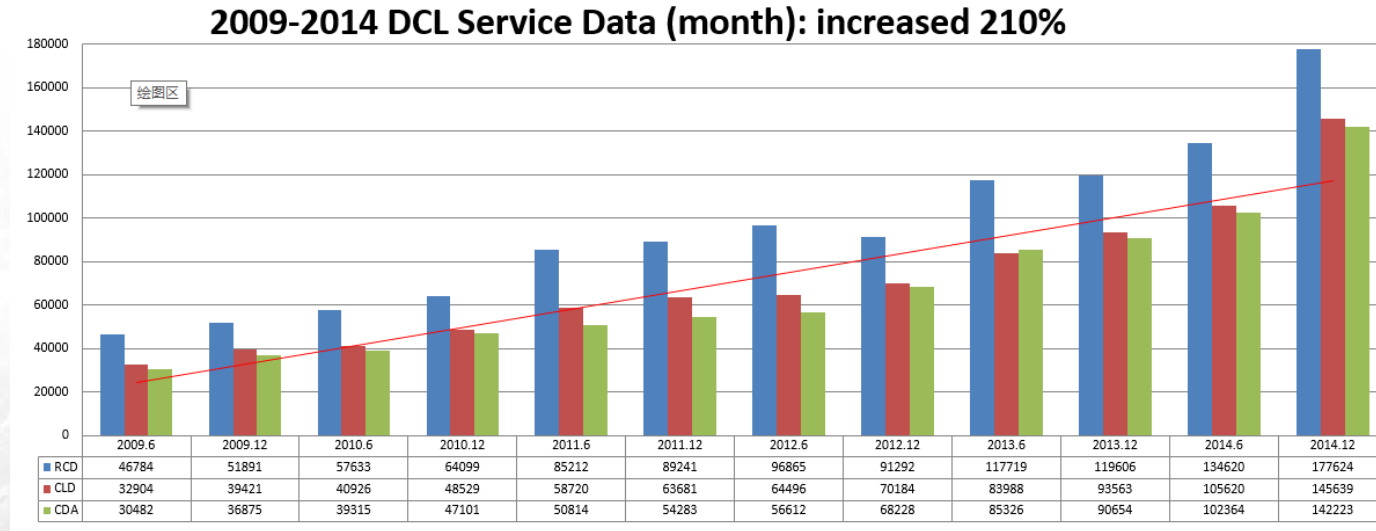
DCL and D-ATIS Service at 2015

- CAAC started to offer DCL and D-ATIS services at 15 airports in China from 2008, according to the standards of ARINC 623, EUROCAE ED-85A, EUROCAE ED-89A, and will finish the implementation at another 29 airports by the end of 2015. Till then, altogether 44 airports in China will have the service of DCL and D-ATIS.



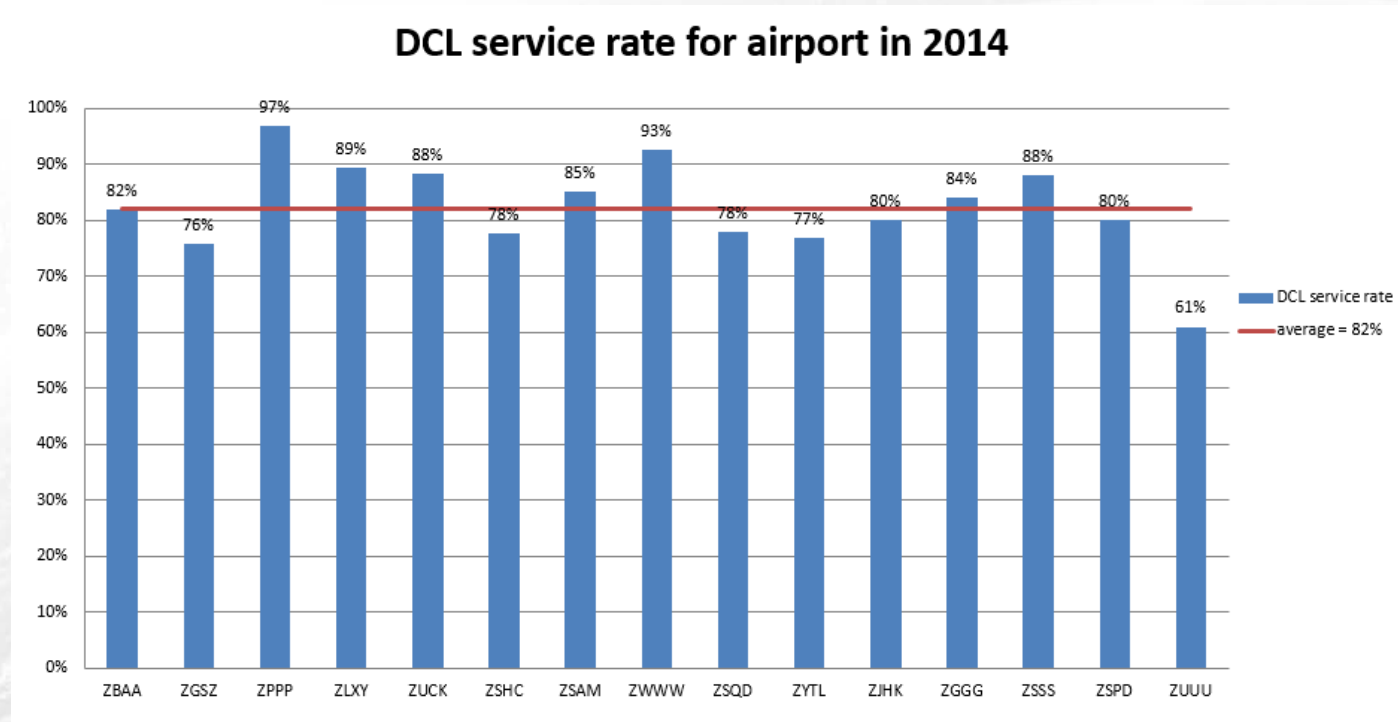
2009-2014 DCL Service Data

- DCL had served 145,639 flights by Dec 2014, and had increased 210% from 32,904 flights by Jun 2009.



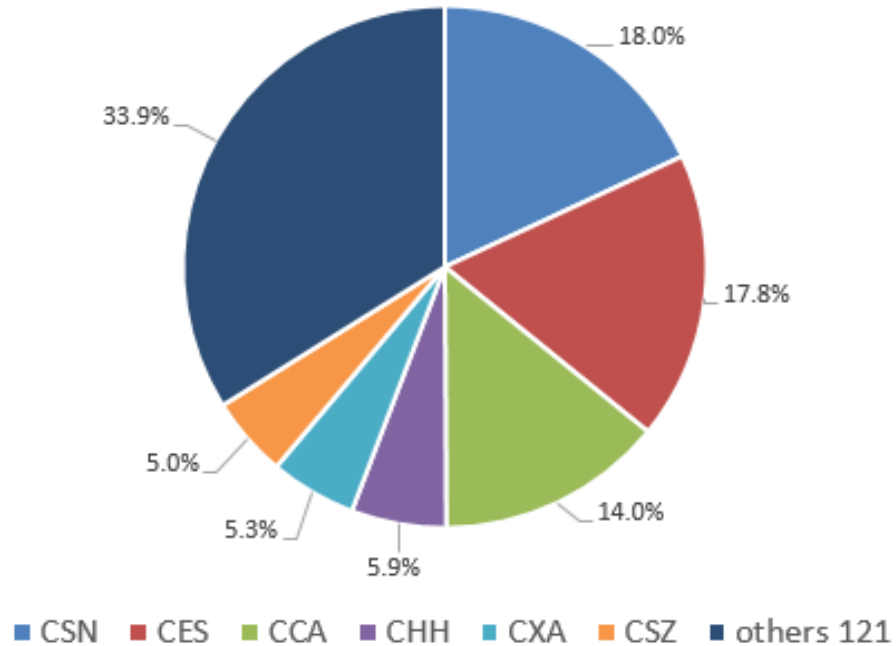
DCL Service rate in 2014

- Until Dec of 2014, the average usage of DCL service at 15 airports in China is 82% (average replies of DCL per airport per day / average flights taking off per airport per day).



Airlines use DCL service in 2014

- From the aspect of airlines, 25 Chinese airlines and 102 international airlines had been using DCL service by CAAC until Dec 2014.

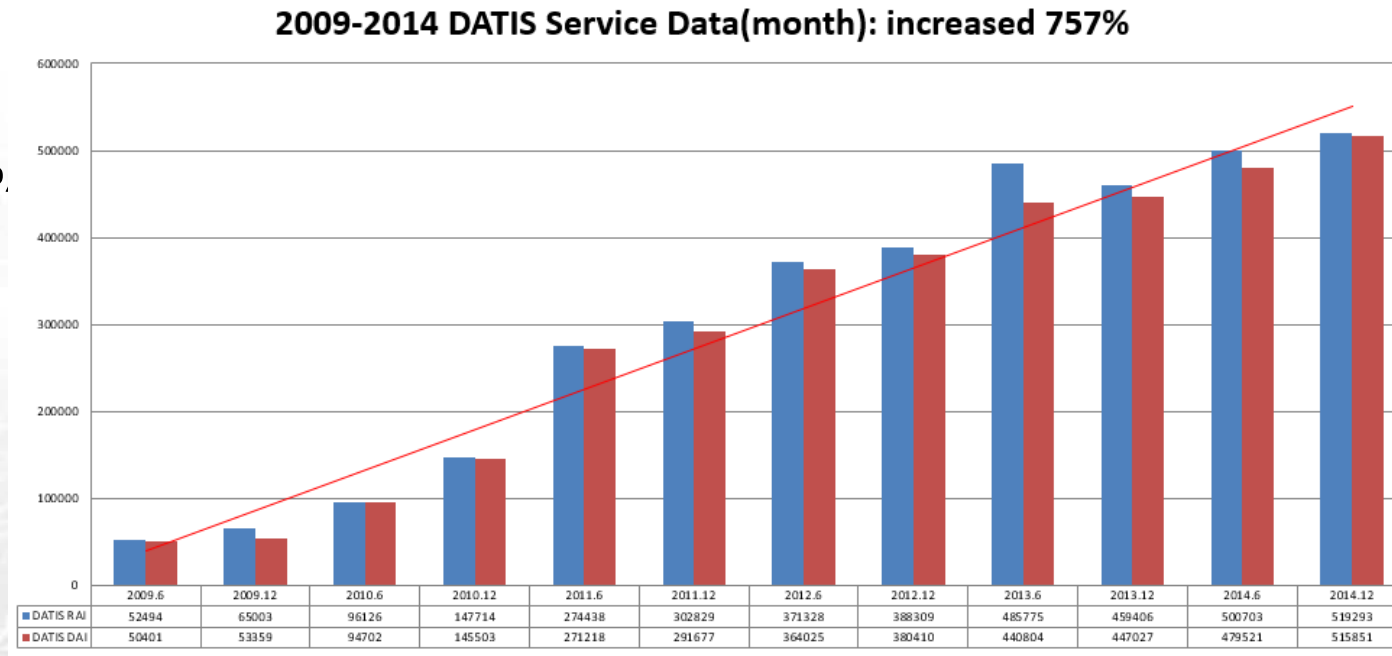


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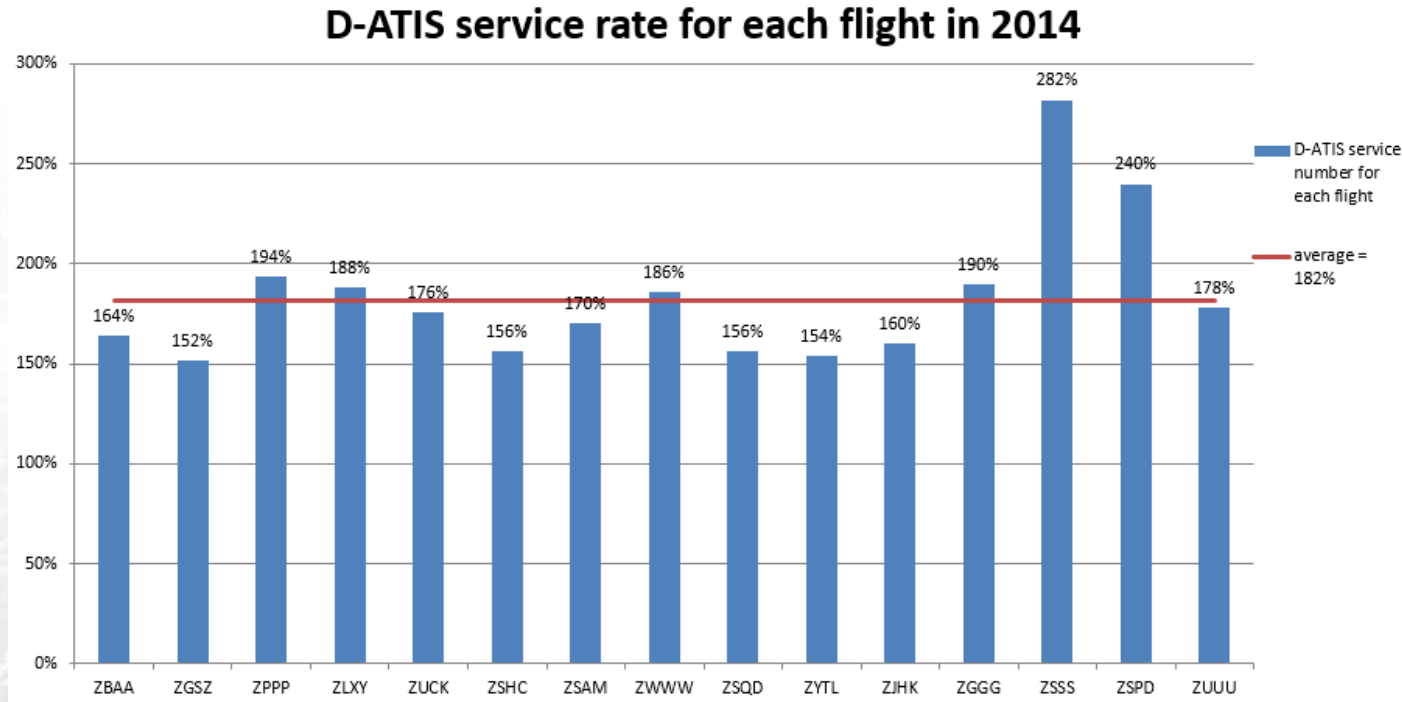
2009-2014 D-ATIS Service Data

- The replies of D-ATIS has been increased by 757% from 50,401 flights in Jun 2009 to 515,851 flights in Dec 2014.



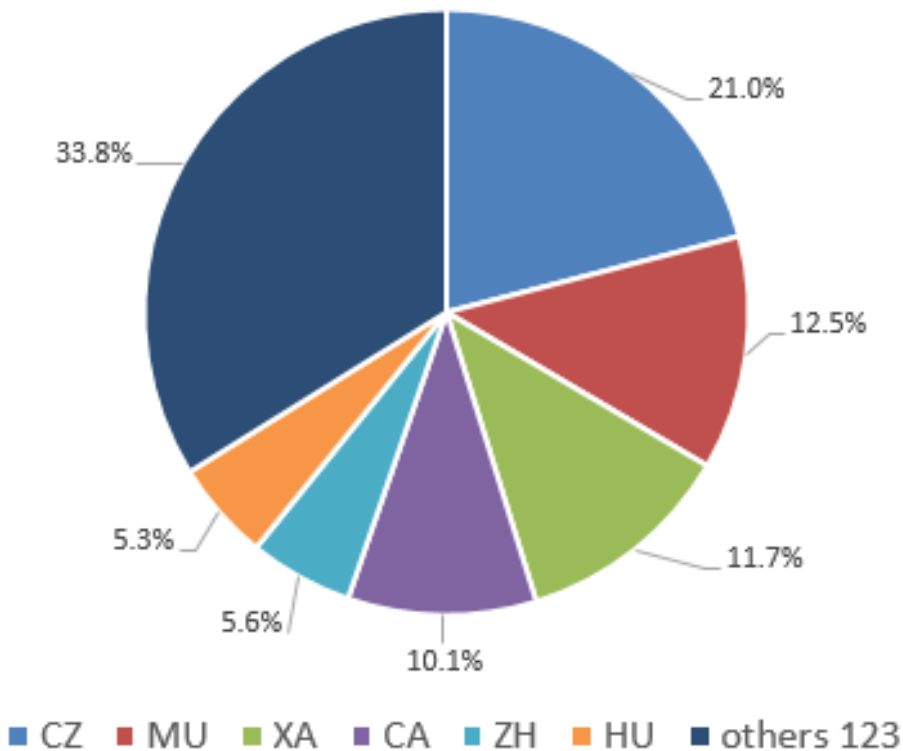
D-ATIS Service rate in 2014

- Until Dec of 2014, within 15 airports which were served by D-ATIS, each crew used D-ATIS for 1.82 times in every flight (average replies of D-ATIS per airport per day / average air-flights per airport per day).



Airlines use D-ATIS service in 2014

- From the aspect of airlines, 25 Chinese airlines and 104 international airlines had been using D-ATIS service by CAAC until Dec 2014.



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CONCLUSION

- With the effectiveness of DCL & D-ATIS growing apparently, DCL has become the first choice of both Chinese and international crews to get the departure service. Taking the advantages of efficiency, safety, and simplicity comparing to the traditional voice service, D-ATIS is now the most important and necessary service for Chinese and international crews with its efficiency and large range coverage. Meanwhile, ATC controller & pilots' workload and pressure has decreased remarkably; D-ATIS decreases potential safety hazard caused by human mistakes and increase the efficiency and safety of ATC.
- CAAC will offer DCL and D-ATIS service at 44 airports by the end of 2015, and will launch D-VOLEMT system covering all airports and airspace in China. It is expected to provide the D-VOLMET service in 2017. ATC of China already come into the overall digital control times.

Thanks

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