



KNKT
Komite Nasional Keselamatan Transportasi

Accident Review Forum

Flying School Aircraft

Cirebon 13 Oct 2016





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This presentation consists of:

**STATISTICS, RESUME OF
INVESTIGATION, OPERATION ISSUES &
RECOMMENDATIONS**



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Base on



FLYING SCHOOL AIRCRAFT ACCIDENT STATISTICS



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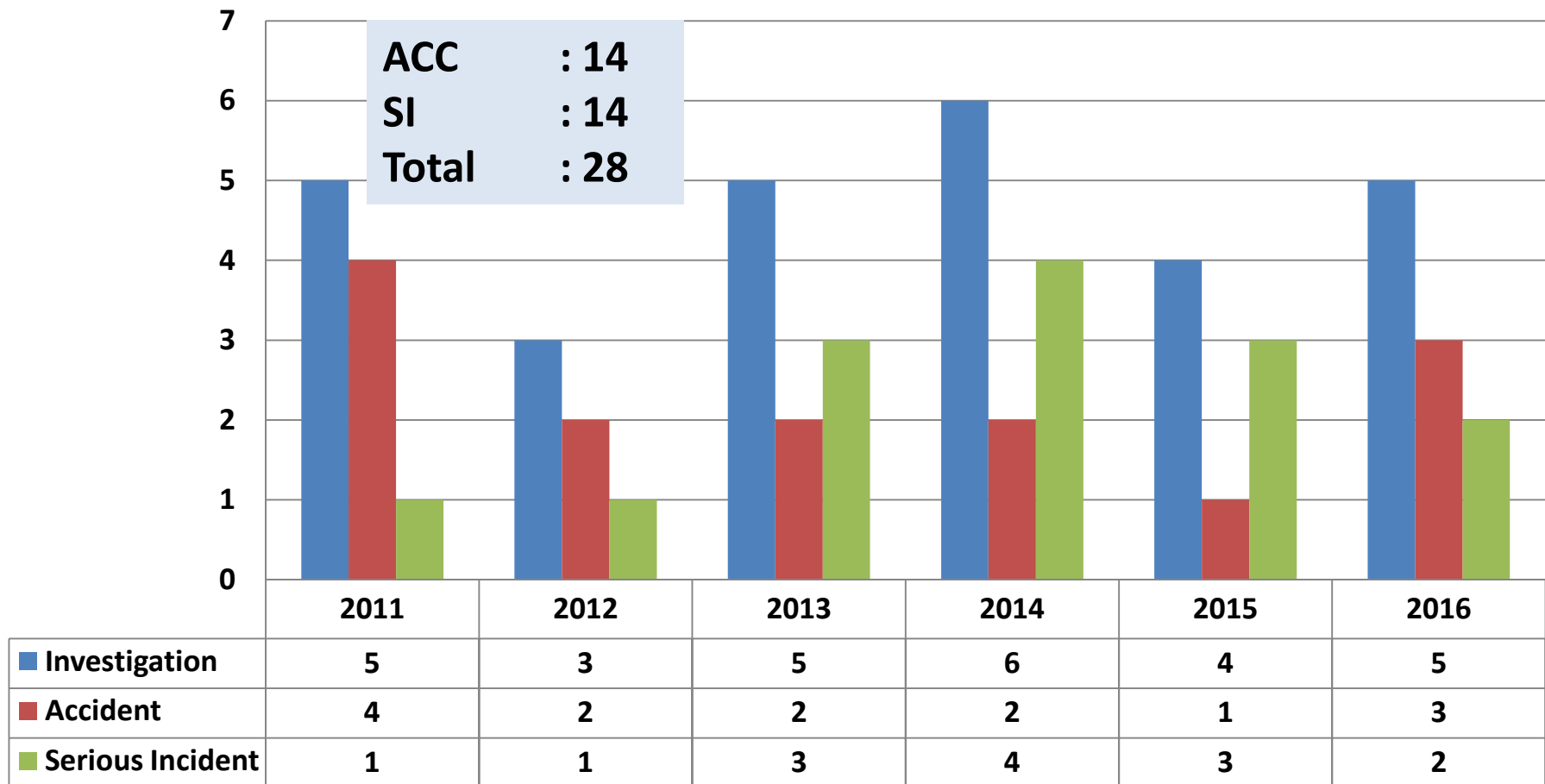
Period 2011 – 2016

(KNKT data base, 30 September 2016)

KNKT INVESTIGATION

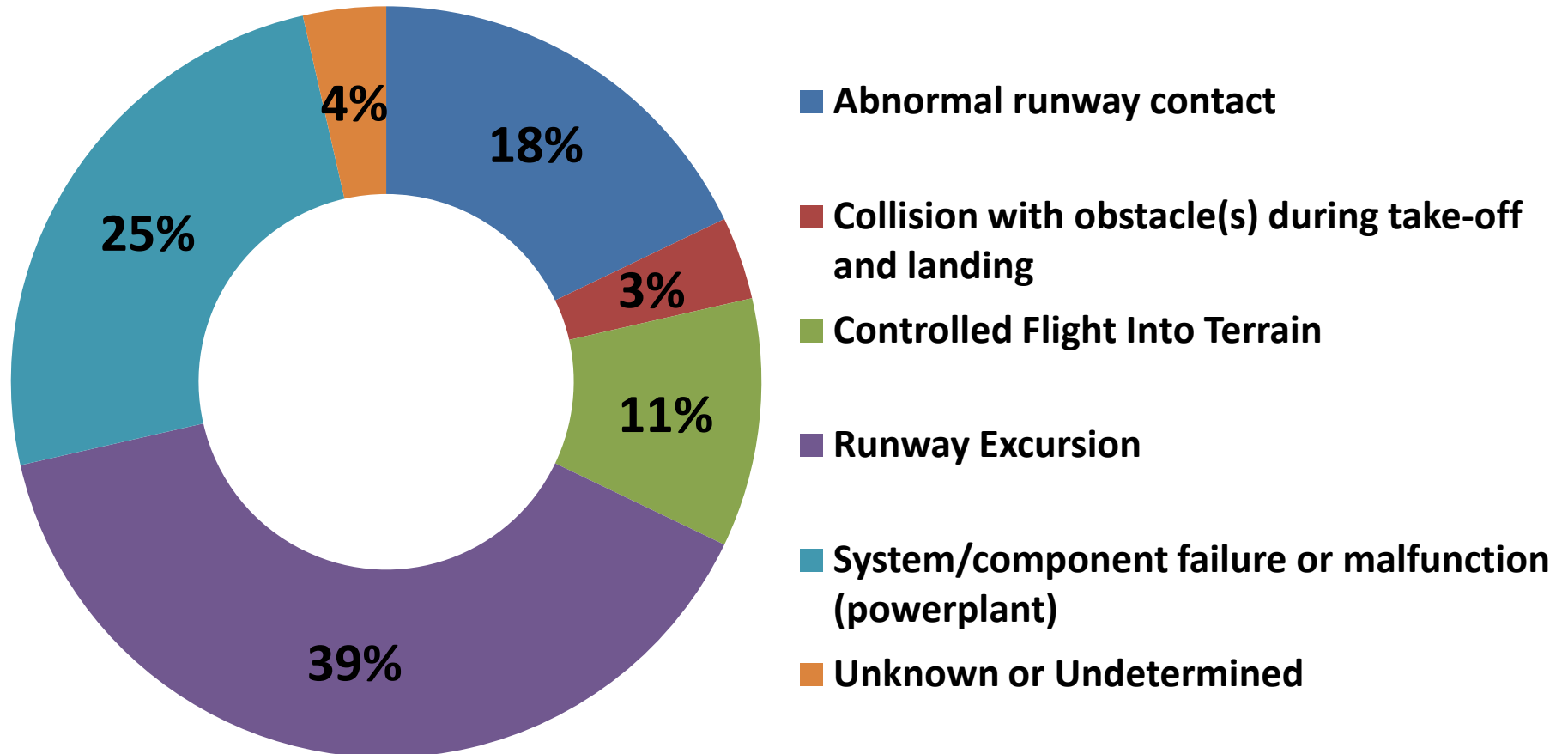


KNKT Investigation on PSC 141 Period 2011 – 2016

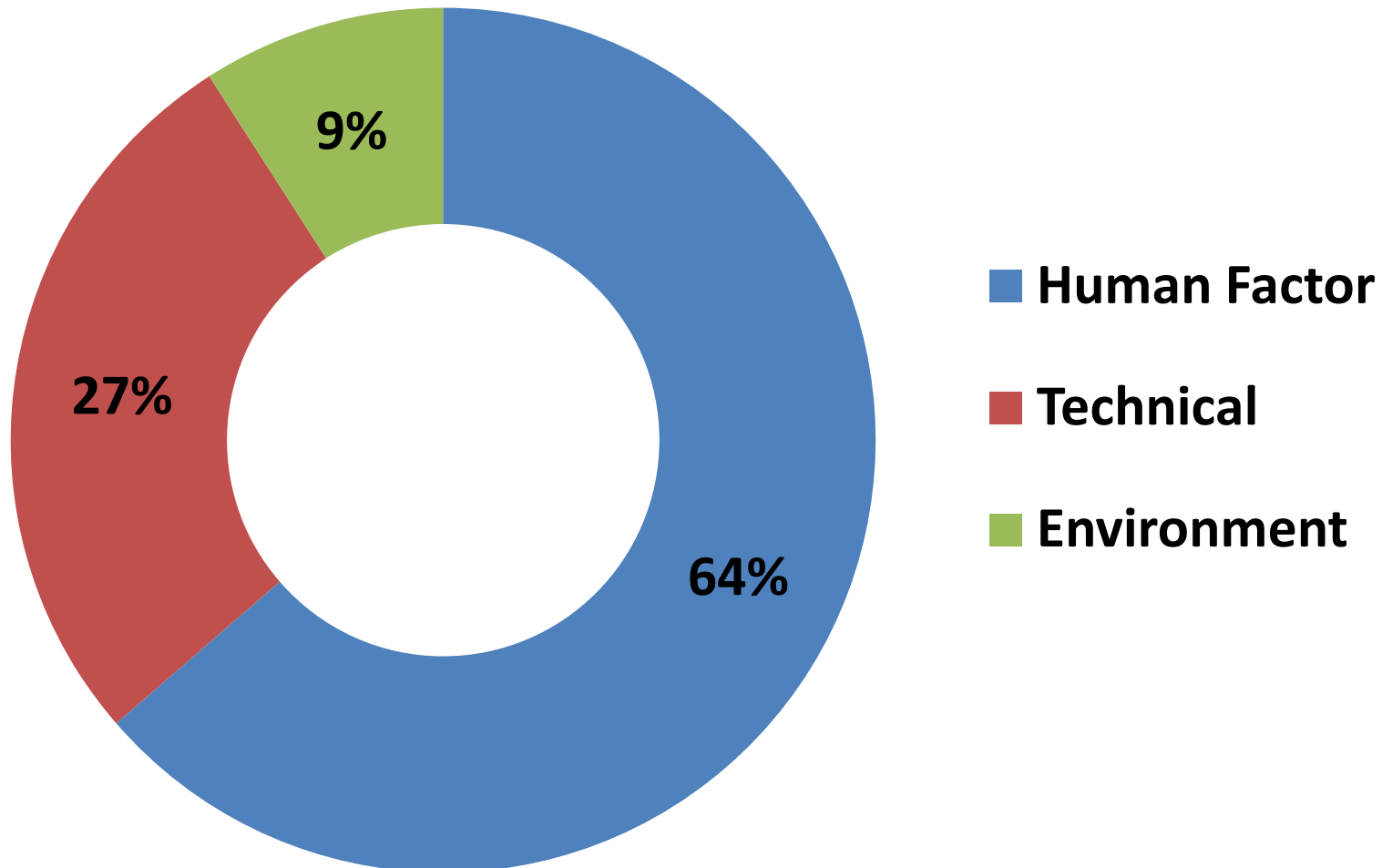


(KNKT database, 30 September 2016)

Type of Occurrence

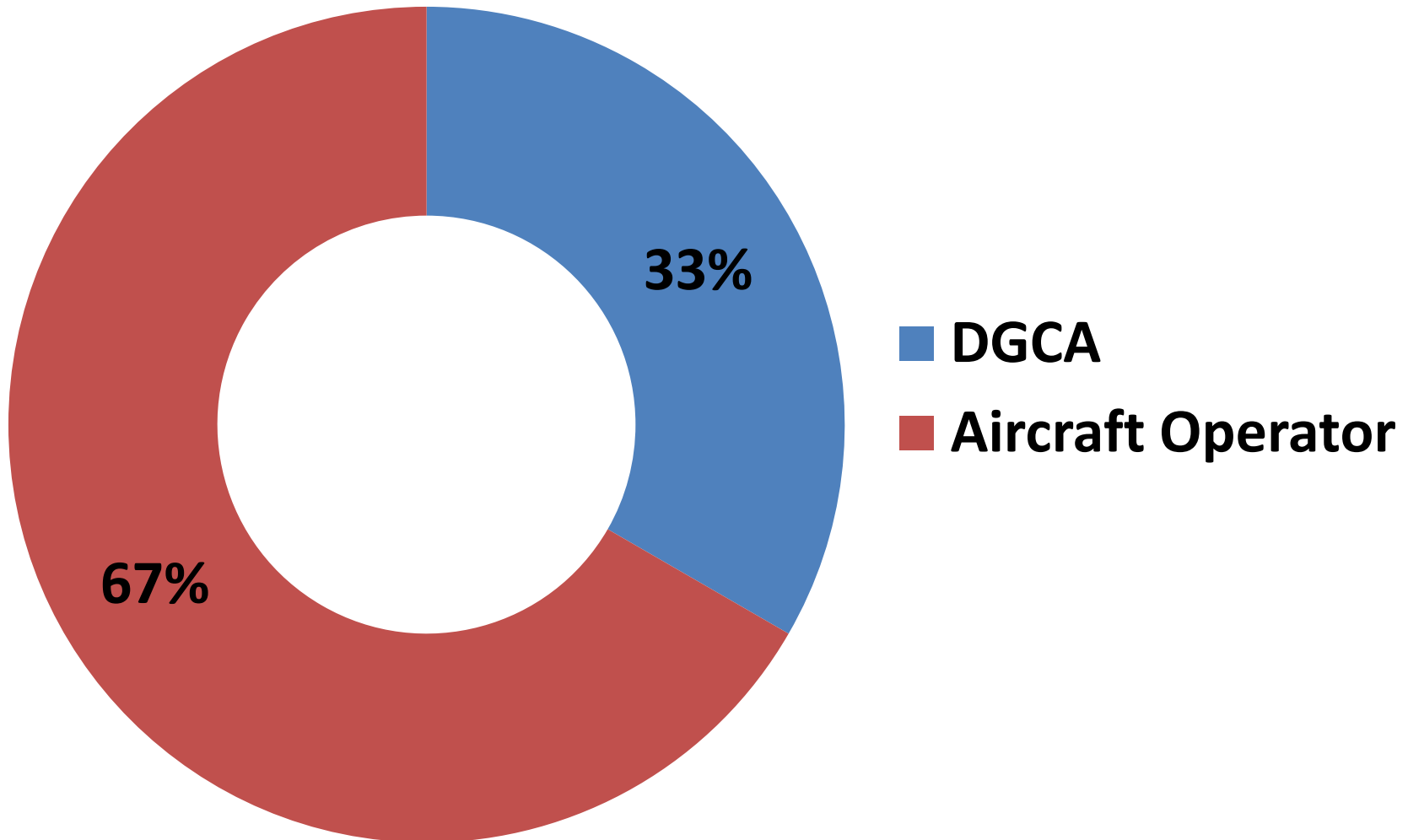


Contributing Factors





Safety Recommendations





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More about take-off, Landing and Fuel Management in flight.

FLIGHT OPERATION SAFETY ISSUES



The general flight technique fuel management issues

- The initial indication of engine detonation occurrences, how ever they kept the flight and some was not reported.
- *Recommendation: it is required to enrich the students and the instructors with the detonation information.*
- The engines quit just after take-off, the pilots elected to return to the airport rather than electing the open and safer area (within 45°).
- *Recommendation: it is required that the students and the instructors to be enriched with the geographical surround the training area and decision justification in such of quit engine condition.*



The general flight technique fuel management issues

- When approach in VMC, the aircraft was not stabilized, how ever they kept to land the aircraft.
- *Recommendation: it is required some additional of unestablished approach exercises prior they are released for the solo flight.*



The general flight technique fuel management issues

Fuel management

- Some of the students did not really understand about the mix fuel policy application and its precaution.
- *Recommendation: it is required some additional of mix fuel application, its affects as well as it's a precaution briefing prior they are released for solo flight.*



The general flight technique fuel management issues

Fuel management...cond

- Some of the students did not really understand about the fuel system and managing the fuel in flight.
- *Recommendation: it is required some additional briefing and make sure that they had correct perceived in understanding on the fuel system and fuel management in flight prior they are released for solo flight.*

Safety Recommendations

DGCA

- To review the test materials that relates to qualification training, knowledge and application of principles of flight applied to flying school (PK-HAF & PK-HAI)
- To review the current over sight system & procedures.
- To review the standard qualification criteria for all flying schools in Indonesia (PK-IUA)



Safety Recommendations (cont.)

DGCA (cont.)

- To provide guidance the use of MOGAS for light aircraft operation by considering the weather phenomenon and other issues in Indonesia as required by CASR Part 43.13 (PK-KFC).

43.13 Performance Rules (general).

(a) Each person performing maintenance, alteration, or preventive maintenance on an aircraft, air-frame, engine, propeller, or appliance shall use the methods, techniques, and practices prescribed in the current manufacturer's maintenance manual or Instructions for Continued Airworthiness prepared by its manufacturer, or other methods, techniques, and practices acceptable to the DGCA,

- To evaluate the premixed fuel used and this should include the engine maintenance performance inspection procedures (PK-MSN).

Safety Recommendations (cont.)

AeroFlyer Institute (PK-HAI)

- To ensure that pilot will check the seats lock system prior to conduct the flight.

Nusa Flying International

- To provide the pilots with adequate weather information for each flight.
- To enforce the pilots to be consistent with VFR flight requirement.

Safety Recommendations (cont.)

Bali International Flight Academy (PK-ROI)

- To review the teaching method of how to perform a correct approach and landing.
- The necessary information stated by the instructor, should be documented and put in to the training syllabus as part of the training curriculum.



Safety Recommendations (cont.)

Bandung International Aviation (PK-IUA)

- To review their current syllabus that used as a criteria for checking the pilot for solo flight.

Safety Recommendations (cont.)

FlyBest Flight Academy (PK-KFC)

- To ensure that the safety risk assessment is performed and have an approval from the authority when required, for any alteration or policy differ from manufacturer procedures.
- To resolve discrepancy within the management in order to eliminate hazard that may exist.

Safety Recommendations (cont.)

STPI (PK-AEE)

- To ensure that all the nose gear sliding member of the similar aircraft is inspected, and ensure that there was no fatigue crack indication.
- To review the current inspection method to enable in detecting specific crack, which could not be detected visually.

Safety Recommendations (cont.)

Merpati Pilot School (PK-MSN)

- To review the current engine maintenance inspection method, this should include the related action required, whenever early identification of detonation is detected.
- To review the current method of assessing the student pilot to include corrective action in the case of the emergency exercise training was not satisfy.



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KNKT is your friend who intends to help whoever that needs more information & discussion to improve their safety..



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THANK YOU