



## Spring Flying: Dust off the Rust!





#### **Neil Piper** Head of Content: Messe Frankfurt South Africa

## Opening



#### Annelie Reynolds Show Director: AERO South Africa

## Welcome

## PANELISTS



#### Cobus Toerien



**Caroline Koll** Owner at Essential Pilot



Santjie White

## Agenda

- Moderator Opening: Cobus Toerien ALPA-SA
- Speaker Session: Caroline Koll The Essential Pilot
- Speaker Session: Cobus Toerien ALPA-SA
- Speaker Session: Speaker Session: Santjie White ICAO SAR EXPERT
- Q&A
- Closing







## **Cobus Toerien**

**ALPA-SA** 









### Caroline Koll onwer at essential pilot



#### ESSENTIAL PILOT Keeping flying fun!





## DUSTING OFF THE RUST



Be honest—how long has it been since you've done some serious flying?

- A month or two?
- Last summer?
  - A year ago?

# What do the regulations say?

61.03.7 (1) The holder of a PPL(A) shall undergo a revalidation check within 12 months from the date of initial issue and thereafter within a period of 24 months

91.02.4 (1) A pilot shall not act as PIC of an aircraft, or second-in-command (SIC) of an aircraft required to be crewed by more than one pilot, carrying passengers by day, unless such pilot has personally, within the 90 days immediately preceding the flight, carried out either by day or by night at least three take-offs and three landings in the same class or, if a type rating is required, type or variant of aeroplane, and in the case of a helicopter three circuits including three take-offs and three landings in the same type of helicopter as that in which such flight is to be undertaken...

A couple of hours of training every two years may satisfy the regulations, but do you satisfy your own standards of excellence? Rather than accept your deteriorated state, take some steps to brush up on ALL your piloting skills when you go back into the air after a layoff.



## **1. Airspeed Control**

- Poor management of the aircraft's energy can be deadly.
- Revise the principal operational airspeeds for your aircraft.
- Pay attention to limiting speeds such as maximum flap and gear extension.



#### **REMEMBER!**

- Pitch changes will result in speed changes.
- Trim is used to maintain a desired speed at a particular power setting.
- When pitch or power changes, re-adjust trim.

## 2. Emergencies

Revise memory emergency procedures for your aircraft.
 'Touch' practice at least one emergency from the POH before every flight.



Rejected Take Off brief (RTO).
Before rotation
After rotation with sufficient / insufficient runway
Plan EFATO beforehand.

- Brief passengers / crew on:
  - Looking out
  - Emergencies
  - Go around



Panicked passengers can increase pilot stress!

#### Manoeuvres to brush up on:

- Stalls In various configurations.
- Precautionary landings.
- Engine fire, smoke in the cockpit.
- Lost procedure and calling for help.
- Diversions (without the GPS!).
- Engine failure after take-off.
- Radio failure procedure.
- Gliding from different heights.
- Crosswind landings / go-around.

More practice means more conditioning for unusual situations, which means being safer, when, and if, the time comes.

A superior pilot uses his superior judgement to avoid situations which require the use of his superior skill.

## 3. Airports

#### Airspace



#### Airspace

Class	Airspace Type	Flight Rules	Service Provided	
A	Controlled	IFR	All Aircraft	ATC
				Separation
С	Controlled	IFR + VFR	All Aircraft	ATC
			IFR - IFR	Separation
			IFR - VFR	Separation
			VFR - IFR	Separation
			VFR - VFR	Traffic Info
D*	Controlled	IFR + VFR	All Aircraft	ATC
			IFR — IFR	Separation
			IFR – VFR	Traffic Info
			VFR – VFR	Traffic Info
F	Uncontrolled	IFR + VFR	IFR	Advisory
			All Aircraft	Traffic Info
G	Uncontrolled	IFR + VFR	All Aircraft	Traffic Info

All aircraft, regardless of which service will be provided, **MUST** request permission to enter controlled airspace at least 10 minutes prior to entering.

Entry may not take place until clearance has been received from the controller.

#### Airspace Study the airspace you are entering:



#### Airport Markings & Signals What do these markings and signals mean?



#### **Traffic Pattern** Study the traffic pattern for your departure, destination and alternates:



#### **Radio Procedures** When in doubt, remember the 4 W's:

- Who am I speaking to?
- Who am I?
- Where am I?
- What do I want to do?



## 4. Weather

#### **Review VFR MET Minima:**



#### Cloud Base: Cloud base = (max temp – dew point) x 410



#### **Wind Direction & Speed**

- At unmanned airports careful observation, and interpretation of the windsock is essential.
- Pay attention to a windsock that is not holding a steady direction or speed!



**METAR / TAF:** Pay special attention to:

- Temperature / Dew point The closer they are, fog & cloud are likely to form.
- Pressure Decreasing pressure could indicate convective activity.
- BCMG An expected permanent change in conditions.
  TEMPO Temporary change lasting less than 1hr

## 5. Aeronautical decision making

#### Many accidents include at least one of the following:

- Attempting to squeeze too much utility out of the aircraft.
- Pushing the limits of pilot skill.
- Trying to have too much fun: buzzing, improper aerobatics.


#### **Good Decision Making**

- Most good aeronautical decisions are made on the ground.
- Once in the air, enter a continuous decision making cycle.



#### **Good Decision Making**

- Anticipate What could go wrong?
- Recognise Pay attention and recognise a problem early.
- Act Evaluate your options and choose one:
- Continue, keeping a close eye on the problem.
- Continue the flight, but divert from the plan.
- Get the aircraft on the ground.
- Evaluate Are you getting the desired results?





Want to brush up your skills? 5% discount #rustypilot

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## **Cobus Toerien**

**ALPA-SA** 







#### **SAFETY FIRST AVIATOR CAMPAIGN 2021**

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#### 22 September 2021



## **PROP CLEAR!!!**



### **Spring Flying - Dust off the rust!**







#### KICK THE TIRES AND LIGHT THE Fires



## ANOTHER YEAR IN THE BOOKS t

#### PRE-FLIGHT CHECK LIST

Check your Item Check your Item Check your Check your Check your Item Check your Check y	or busing or or busing ake the ord dom ormething ind the
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Going on holiday should be as fuss free as possible, whether for business or pleasure. We've prepared this checklist to take the brain work out of thinking what needs to be brought and done before your trip. And of course, if you're missing something vital, you know where to turn to for your one-stop flight needs – Flight 001.

Decdorant     Focial Cleanser     Foci Powder     Hair Clip       Hair Gel     Hand Lotion     Hand Sanitiser     Hand Scap       Heat Pack     Insect Repellent     Lip Balm     Make-up Remove       Mirror     Moisturiser     Nail Clipper     Perfume       Razor/Shaver     Sanitary Napkins/Tampons     Shampoo     Shampoo       Sunblock     Tissues     Toothbrush     Toothpaste       Towel     Travel Wash     Tweezers     Wet Wipes		1. TRAVEL P	REPARATIONS	
Sleep Mask       Ear Plug       Socks       Neck Rest         Alarm Clock       Camera       Chargers       Chargers       Laptop or Tablet         Mobile Phone       MP3 Player       Travel Cooker       Travel Hair Dryet         Travel Iron       MP3 Player       Travel Cooker       Travel Hair Dryet         Coin Pouch       Business Cards       Camera Case       Order Bag         Luggage Strap       MAke up Pouch       Messenger Bag       Organiser         Sewing Kit       Passport Cover       Refiltable Bag       Luggage Tag         Sewing Kit       Possport Lock       Waltet       Stolek Bag         Tote Bag       Tote Bag       Tote Sag       Torchlight         Urbretla       Breath Spray       Cotton Buds       Dental Floss/Tool         Contact Lans & Solutions       Breath Spray       Cotton Buds       Dental Floss/Tool         Body Lotion       Breath Spray       Cotton Buds       Dental Floss/Tool         Mirror       Moisturiser       Foot Powder       Hair Gel         Hair Gel       Hair Gel       Hair Gel       Hair Gel         Hair Pack       Inseet Repellent       Neit Clipper       Perfume         Sublock       Tissues       Shampoo       Shampoo				s 🔳 Confirm Tickets (Air, Train et
Alarm Clock       Camera       Changers       Laptop or Tablet         Mobile Phone       MP3 Player       Travel Cooker       Travel Hair Dryet         Travel Iron       Universal Adapter       Video Camera       Travel Hair Dryet         Laptop or IPad Slevel       Universal Adapter       Video Camera       Gym Gear Bag         Luggage Strap       Business Cards       Camera Case       Gym Gear Bag         Passport Cover       Passport Cover       Refiltable Bag       Luggage Tag         Sewing Kit       Pens       Sunglasses       To Camera         Tote Bag       Tot Approved Lock       Waltet       Video Camera         Body Lotion       Shoe Bag       Toiletry Bag       Watch         Contart Lens & Solutions       Breath Spray       Conto Buds       Dental Floss/Tool         Body Lotion       Breath Spray       Conto Buds       Dental Floss/Tool         Razor/Shaver       Breath Spray       Conto Buds       Dental Floss/Tool         Niror       Moisturiser       Had Sanitiser       Hair Gal         Hair Gal       Insect Repellent       Hair Gal       Hair Clipper         Hair Gal       Insect Repellent       Up Balm       Make-up Remove         Sublock       Travel Wash       Toe		2. IN-FLIG	IT COMFORT	
Alarm Clock Mobile Phone       Camera MP3 Player       Chargers Travel Cooker       Laptop or Tablet         Travel Iron       Universal Adapter       Video Camera       Travel Hair Dryet         Backpack       Business Cards       Camera Case       Cardholder         Coin Pouch       Document Holder       Foldable Bag       Bugger Tag         Daspor i Pad Sleeve       Dacument Holder       Foldable Bag       Drggage Tag         Passport Cover       Passport Cover       Refiliable Bottles       Safety Pins         Sewing Kit       Pons       Sunglasses       Tecase       Torchlight         Umbrelia       TisA Approved Lock       Wallet       Watch       Watch         Wet Suit Bag       Shoe Bag       Torchlight       Torchlight       Torchlight         Obcorrant       Breath Spray       Comb       Conditioner       Dental Flass/Tool         Body Lotion       Breath Spray       Comb       Conditioner       Hair Gal         Hair Gal       Insect Repellent       Haid Saintiser       Haind Saintiser       Haind Saap         Deodorant       Insect Repellent       Nail Clipper       Pertume       Make-up Remove         Mirror       Moistoriser       Sanitary Napkins/Tampons       Shampoo       Shower Gel	Sleep Mask	🔲 Ear Plug	Socks	Neck Rest
Mobile Phone       MP3 Player       Travel Cooker       Travel Hair Dryer         Travel Iron       Universal Adapter       Video Camera       Travel Hair Dryer         Kideo Camera         Ligapo Cooker         Conditioner		3. ELECTRONICS	AND APPLIANCES	
Travel Iron       Universal Adapter       Video Camera         Video Camera         La post colspan="2">Cardholder         Backpack       Business Cards       Camera Case       Cardholder         Colspan="2">Cardholder         Candholder         Possport Cover       Passport Cover       Refillable Bag       Luggage Tag         Organiser         Sewing Kit         Tote Bag       Tote Bag       Tote Approved Lock       Waltet       Waltet       Waltet         Support Cover       Refillable Bottles         Sobo Bag       Totelletry Bag         Universal Adapter         Value Agage Strap       Organiser         Sobo Bag       Totelletry Bag         Universal Approved Lock       Waltet         Waltet       Waltet         Combits       Combit       Deental Floss/Tool         Condact Lens & Solutions         Despan="2">Cosmetics       Combourdet       Hair Gal       Hair Gal       Hair Gal       Hair Gal       Hair Clipper       Hair Clipper       Hair Clipper       Shampoo       Shampoo       Sha				
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Backpack       Business Cards       Camera Case       Cardholder         Coin Pouch       Document Holder       Foldable Bag       Luggage Tag         Luggage Strap       Make-up Pouch       Massenger Bag       Organiser         Passport Cover       Passport Cover       Refillable Bottles       Safety Pins         Sewing Kit       Pens       Sunglasses       Tic Case         Tote Bag       T5A Approved Lock       Waitet       Watch         Wet Suit Bag       Observed Lock       Waitet       Watch         Body Lotion       Breath Spray       Cotton Buds       Dental Floss/Tool         Contact Lens & Salutions       Breath Spray       Cotton Buds       Dental Floss/Tool         Decorant       Breath Spray       Cotton Buds       Dental Floss/Tool         Hair Get       Hand Sanitiser       Hand Saniser       Had Saap         Heat Pack       Insect Repellent       Lip Balm       Make-up Remove         Mirror       Saniary Napkins/Tampons       Shampoo       Shampoo         Sublock       Tissues       Toethbrush       Toethpaste         Towel       Disposable Briefs       Ear Warmers       Gloves         Sublock       Silppers       Spacepak System       Sleepwear	- Travet Iron			
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Laptop or iPad Sleeve       Laundry Bag       Luggage       Massenger Bag       Organiser         Passport Cover       Restillable Bottles       Safety Pins       Safety Pins         Sewing Kit       Pens       Sunglasses       Tie Case         Umbrella       Shoe Bag       Tolletry Bag       Waltet       Watch         Wet Suit Bag       Shoe Bag       Tolletry Bag       Watch       Watch         Body Lotion       Breath Spray       Comb       Comb       Dental Flass/Tool         Decotrant       E Sanitary Napkins/Tampons       E Comb       Hard Sanitser       Hand Sanitser         Hair Get       Insect Repellent       Nait Clipper       Make-up Remove       Make-up Remove         Mirror       Sanitary Napkins/Tampons       Shampoo       Shawer Gel       Shower Gel         Sunblock       Travel Wash       Tweezers       Wet Wipes       Slepwers         Beach Wear       Supposable Briefs       Ear Warmers       Slepwers       Slepwers         Lufflinks       Disposable Briefs       Ear Warmers       Slepwers       Slepwers         Socks       Supports Wear       Sumwear       Travel Wash       Tree       Slepwers         Walking/Running Shoes       Antacids       Anti-diarrhea Medic				
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Passport Cover       Pessport Cover       Refiltable Bottles       Safety Pins         Sewing Kit       Pens       Sunglasses       Tie Case         Tote Bag       Shoe Bag       Toletry Bag       Wallet       Watch         Umbretia       TSA Approved Lock       Wallet       Watch       Watch         Body Lotion       Econditioner       Comb       Conditioner         Contact Lens & Solutions       Breath Spray       Comb       Dential Flass/Top         Decorant       Facial Cleanser       Foot Powder       Hair Clip         Hair Get       Hand Sanitiser       Hand Saniser       Hand Saniser         Nirora       Moisturiser       Naiscuriser       Naiscuriser         Razor/Shaver       Sanitary Napkins/Tampons       Shampoo       Shower Gel         Sunblock       Tissues       Toothbrush       Toothpaste         Cufflinks       Disposable Briefs       Cape or Hats       Gloves         Lung Johns       Raincoat       Scarf       Sleepwar         Socks       Slippers       Spacepak System       Spices Wear       Gloves         Lung Johns       Anti-diarrhea Medicine       Eredit Cards       Ernergency Conta         Walking/Running Shoes       Anti-diarrhea Medicine <td></td> <td></td> <td></td> <td></td>				
Sewing Kit       Pens       Sunglasses       Tic Case         Tote Bag       Shoe Bag       Toiletry Bag       Torchlight         Umbretla       TSA Approved Lock       Wallet       Torchlight         Wet Suit Bag       Whistle       Ziplock Bags       Torchlight         Body Lotion       Breath Spray       Comb       Conditioner         Contact Lens & Solutions       Breath Spray       Comb       Dental Flass/Tool         Decdorant       Facial Cleanser       Foor Powder       Hair Clip         Hair Get       Hand Lotion       Hand Sanitiser       Hand Scap         Mirror       Moisturiser       Nail Clipper       Perfume         Razor/Shaver       Sanitary Napkins/Tampons       Shampoo       Shawer Gel         Sunblock       Tissues       Scart       Wet Wipes         Towel       Ear Warmers       Gloves       Sleepwear         Socks       Slipposable Briefs       Ear Warmers       Sleepwear         Socks       Slippers       Specepak System       Specrak Wear       Gloves         Long Johns       Raincoat       Scart       Sleepwear       Thermal Wear         Walking/Running Shoes       Anti-diarrhea Medicine       Erequer/Headache Medicine       Ererere				
Tote Big Umbrelia <ul> <li>TSA Approved Lock</li> <li>Walket</li> <li>Walket</li> <li>Ziplack Bags</li> </ul> Torchlight Watch <ul> <li>TSA Approved Lock</li> <li>Walket</li> <li>Ziplack Bags</li> </ul> Torchlight Watch           Torchlight Watch          Watch          Watch            Body Lotion <ul> <li>Breath Spray</li> <li>Cosmetics</li> <li>Cotton Buds</li> <li>Dental Flass/Tool</li> <li>Hair Gel</li> <li>Hand Sanitiser</li> <l< td=""><td></td><td></td><td></td><td></td></l<></ul>				
Umbrella       TSA Approved Lock       Wallet       Water         Wet Suit Bag       TSA Approved Lock       Ziplock Bags       Watch         Sold Lotion       S. PERSONAL CARE       Dental Floasy Tool       Dental Floasy Tool         Body Lotion       Breath Spray       Comb       Dental Floasy Tool         Contact Lens & Solutions       Cosmetics       Cotton Buds       Dental Floasy Tool         Decorant       Facial Cleanser       Foor Powder       Hair Clip         Hair Get       Hand Lotion       Hand Sanitiser       Hand Soap         Mirror       Moisturiser       Nail Clipper       Perfume         Razor/Shaver       Sanitary Napkins/Tampons       Shampoo       Shawer Gel         Sunblock       Travel Wash       Tweezers       Wet Wipes         Cufflinks       Disposable Briefs       Ear Warmers       Gloves         Long Johns       Balincoat       Scarf       Slepweral       Slepweral         Swimwear       Swimwear       Tiss       Slepweral       Slepweral         Walking/Running Shoes       Anti-diarrhea Medicine       Credit Cards       Emergency Contal         Perfume       Antacids       Anti-diarrhea Medicine       Erequer/Headache Medicine       Increase Credit L <td></td> <td>and it carries</td> <td></td> <td></td>		and it carries		
Wet Suit Bag     Whistle     Ziplock Bags       Body Lotion     Breath Spray     Comb     Conditioner       Contact Lens & Solutions     Gosmetics     Cotton Buds     Dental Floss/Tool       Decorant     Facial Cleanser     Foot Powder     Hair Clip       Hair Gel     Hand Sanitiser     Hand Sanitiser     Hand Soap       Heat Pack     Insect Repellent     Lip Balm     Make-up Remove       Mirror     Moisturiser     Nail Clipper     Perfume       Razor/Shaver     Sanitary Napkins/Tampons     Shampoo     Shower Gel       Sublock     Tissues     Toothbrush     Toothpate       Towel     Travel Wash     Wet Wriges     Crease-resistant       Cufflinks     Disposable Briefs     Ear Warmers     Gloves       Long Johns     Raincoat     Scarf     Sleepwear       Sweater/Jacket     Suimwear     Ties     Sleepwear       Walking/Running Shoes     Anti-diarrhea Medicine     Treed Kades/Maps     Thermal Wear       Antacids     Anti-diarrhea Medicine     Erequire Cards     Emergency Conta       Fue Medicine     Jet Lag Medication     Ereqt/Headache Medicine     Increase Credit L				
Body Lotion       Breath Spray       Comb       Conditioner         Contact Lens & Solutions       Cosmetics       Cotton Buds       Dental Flass/Tool         Decorrant       Facial Cleanser       Foot Powder       Hair Clip         Hair Get       Hand Sanitiser       Hand Saniser       Hair Clip         Heat Pack       Insect Repellent       Lip Balm       Make-up Remove         Mirror       Moisturiser       Nail Clipper       Perfume         Razor/Shaver       Sanitary Napkins/Tampons       Shampoo       Shower Gel         Sunblock       Tissues       Toothbrush       Toothbrush       Toothpaste         Towel       Travel Wash       Tweezers       Wet Wipes         Long Johns       Balincoat       Ear Warmers       Gloves         SuchtaryRapers       Supers       Steppers       Steppers         Sweater/Jacket       Stippers       Spacepak System       Spacepak Cards       Thermal Wear         Walking/Running Shoes       Antacids       Anti-diarrhea Medicine       Credit Cards       Emergency Conta         Fuedicine       Jercay Redictione       Treewler Card       Gloueback/Maps       Increase Credit L         International Driving License       Jet Lag Medication       Erewir/Headache Medicine <td></td> <td></td> <td></td> <td></td>				
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Deodorant     Facial Cleanser     Foot Pewder     Hair Clip       Hair Get     Hand Lotion     Hand Sanitiser     Hand Sanitiser       Heat Pack     Insect Repellent     Lip Balm     Make-up Remove       Mirror     Moisturiser     Nail Clipper     Perfume       Razor/Shaver     Sanitary Napkins/Tampons     Shampoo     Shawer Gel       Sunblock     Travel Wash     Toothbrush     Toothbrush       Towel     Travel Wash     Tweezers     Wet Wipes       6.WARDROBE       Beach Wear     Beit     Caps or Hats     Crease-resistant       Cufflinks     Disposable Briefs     Ear Warmers     Gloves       Long Johns     Raincoat     Scarf     Sleepwear       Sweater/Jacket     Swimwear     Ties     Thermal Wear       Walking/Running Shoes     Anti-diarrhea Medicine     Credit Cards     Emergency Conta       Flu Medicine     Jet Lag Medication     Fever/Headache Medicine     Increase Credit L	Body Lotion	Breath Spray		Conditioner
Hair Get     Hand Lotion     Hand Sanitiser     Hand Soap       Heat Pack     Insect Repellent     Lip Balm     Make-up Remove       Mirror     Moisturiser     Sanitary Napkins/Tampons     Shampoo     Shower Gel       Sunblock     Tissues     Towet Wash     Towezers     Wet Wipes       Control of the second sec				Dental Floss/Toothpicks
Heat Pack     Insect Repellent     Lip Balm     Make-up Remove       Mirror     Moisturiser     Nait Clipper     Perfume       Razor/Shaver     Sanitary Napkins/Tampons     Shampoo     Shower Gel       Sunblock     Tissues     Toothbrush     Toothpaste       Towel     Travel Wash     Toothbrush     Toothpaste       Cufflinks     Disposable Briefs     Ear Warmers     Gloves       Long Johns     Raincoat     Scarf     Sleepwear       Sweater/Jacket     Slippers     Spacepak System     Sleepwear       Watking/Running Shoes     Antacids     Anti-diarrhea Medicine     Credit Cards     Emergency Conta       Fuedicine     Jet Lag Medication     Erequent Traveller Card     Eredit Cards     Emergency Conta       International Driving License     Jet Lag Medication     Erequire Traveller Card     Mildeback/Maps				
Mirror     Moisturiser     Nail Clipper     Perfume       Razor/Shaver     Sanitary Napkins/Tampons     Shampoo     Shawer Gel       Sunblock     Tissues     Toduthbrush     Toduhpaste       Towei     Travel Wash     Tweezers     Wet Wipes         Beach Wear     Beit     Caps or Hats     Crease-resistant       Cuffinks     Disposable Briefs     Ear Warmers     Gloves       Long Johns     Raincoat     Spacepak System     Slepwear       Socks     Slippers     Spacepak System     Slepwear       Walking/Running Shoes     Anti-diarrhea Medicine     Credit Cards     Emergency Conta       Flu Medicine     Jet Lag Medication     Erwer/Headache Medicine     Emergency Conta				
Razor/Shaver       Sanitary Napkins/Tampons       Shampoo       Shampoo         Sunblock       Tissues       Toothbrush       Toothpaste         Towel       Travel Wash       Tweezers       Wet Wipes         Conthbrush       Toothpaste         Beach Wear       Belt       Caps or Hats       Crease-resistant         Cufflinks       Disposable Briefs       Ear Warmers       Gloves         Long Johns       Raincoat       Scarf       Sleepwear         Socks       Sluppers       Spacepak System       Sports Wear         Walking/Running Shoes       Anti-diarrhea Medicine       Credit Cards       Emergency Conta         Fue Medicine       Jet Lag Medication       Erequent Traveller Card       Buidebooks/Maps       Emergency Conta         Fue Medicine       Jet Lag Medication       Ever/Headache Medicine       Middudazatives       Middudazatives				
Sunblock       Tissues       Toothbrush       Toothpaste         Towel       Travel Wash       Tweezers       Wet Wipes         6.WARDROBE         Beach Wear       Belt       Caps or Hats       Crease-resistant         Cufflinks       Disposable Briefs       Ear Warmers       Gloves         Socks       Sippers       Spacepak System       Stepwear         Sweater/Jacket       Swimwear       Ties       Thermal Wear         Walking/Running Shoes       Anti-diarrhea Medicine       Credit Cards       Emergency Conta         Flu Medicine       Jet Lag Medication       Ever/Headache Medicine       Increase Credit L	e tent tan			= i siturite
Towel     Travel Wash     Tweezers     Wet Wipes       6.WARDROBE       Beach Wear     Beit     Caps or Hats     Crease-resistant       Cufflinks     Disposable Briefs     Ear Warmers     Gloves       Long Johns     Raincoat     Scarf     Stepwear       Socks     Slippers     Scarplex System     Sports Wear       Walking/Running Shoes     Swimwear     Ties     Thermal Wear       Presume Anti-diarrhea Medicine       Flu Medicine     Frequent Traveller Card     Guidebooks/Maps     Emergency Conta       International Driving License     Jet Lag Medication     Frequent/Headache Medicine     Mild Laxatives				
Beach Wear       Belt       Caps or Hats       Crease-resistant         Cufflinks       Disposable Briefs       Ear Warmers       Gloves         Long Johns       Raincoat       Scarf       Stepwear         Socks       Slippers       Specepak System       Sports Wear         Walking/Running Shoes       Swimwear       Ties       Thermal Wear         Antacids       Anti-diarrhea Medicine       Credit Cards       Emergency Conta         Flu Medicine       Frequent Traveller Card       Guidebooks/Maps       Increase Credit Laxatives		- Tradeda		
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Socks     Slippers     Specepak System     Sports Wear       Sweater/Jacket     Swimwear     Ties     Thermal Wear       Walking/Running Shoes     Thermal Wear     Thermal Wear       Valking/Running Shoes     Anti-diarrhea Medicine     Emergency Conta       Increase Credit Lag Medication     FourHeadache Medicine     Increase Credit L	Cufflinks	Disposable Briefs		
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### **Prepping Your Plane for Spring Flying**

"As one of the coldest winters on record slowly thaws away, we are reminded that it's time to prep our planes for the spring/summer flying season!"





**Business Aircraft Jet** 



#### **Prepping Your Plane for Spring Flying**

As any pilot worth his or her wings knows, preparing a plane after a period of inactivity is one of the most important times to conduct a thorough maintenance checklist and pre-flight.

Seek technical advice and assistance!







#### **Pre-flight Inspection**

# What do . you think









#### Who does a Pre/Post-flight Inspection?

- The short answer: YOU
- Don't shirk this responsibility. It's not just your life you are putting at risk
  - You put at risk the lives of other crew, pax, ground personnel
  - The financial viability of the company that you work for can be destroyed in a single accident
- What you can expect when deployed on operations
  - AME conducts a pre-flight before handing over to the pilot/s
  - Co-Pilot conducts external pre-flight before assisting with the internal pre-flight









Understanding how is as important as actually doing it

The key to a good pre-flight is understanding **what** you are checking and **why** you are checking it.

You must know what is normal & abnormal, what is airworthy and what is not







#### **Review your aircraft's maintenance history:**

- Paperwork in order?
- Repairs and preventative maintenance
- Repairs that have been put on hold

Now is the time to do them!





#### Change the oil and check the fuel system:

#### Important to do a spring oil change and fuel system check

- Remove the fuel filter, clean and replace
- Check that the fuel cocks are open and master switches are back on.





- Check the battery and other electrical components
- ✓ Inspect tire pressure and wear
- ✓ Wings, fins, propeller and landing gear
- ✓ Is there any structural damage









## Show it some TLC by a proper wash









Inadequate prefight's result from either insufficient training or complacency

#### I.e: Removal of locking and safety devices





Preflight Inspections You failed!









Great to get up again. Been months! See

## "Slow is smooth, and smooth is fast!"





They were "100% sure" too.

#### CHECK YOUR FUEL BEFORE EVERY FLIGHT.

Easy to say here on the ground, isn't it! Will you really do it?









## Capt. Karl Jensen: Pre-flight:

Is your flight thoroughly planned for whatever the mission might be?

Fuel balance
 Tyre condition
 Propeller Check







I could almost hear the pilot thinking: "The aileron moved, so it must be rigged correctly."







#### **The Big Decision:**

## Is the aircraft **safe and legal** to fly right now?

#### "Go/No-Go decision".





#### THE CHICKS OR THE AIRCRAFT





#### In conclusion

- "Aviation is intolerant of Mediocrity" Eric Fisher
- The pre-flight inspection is your best opportunity to catch a potentially fatal issue before your flight
- Always aspire to be a professional AVIATOR in all aspects of operations!







### Any more suggestions?

## **Any Questions?**







## Santjie White ICAO SAR EXPERT







#### SPRING FLYING -DUST OFF THE RUST

EMERGENCY -WHEN TO ASK FOR HELP AND WHERE TO GET IT!





# Loss of radio contact!

## Stuff Pilots (and Controllers) Say!

TransGlobal 2, Lincoln Tower Cleared for the ILS to two-niner



We have clearance, Clarence Roger, Roger. What's our vector, Victor?

AeroSavvy



Unable to follow the correct track or maintaining the correct flight levels!



"November SEVEN FOUR FOUR, Cleared direct ROCKI, Climb Maintain Flight Level TWO ZERO ZERO."



# Not in normal communication!

#### Radio Failure Procedures

- Check equipment
- Squawk "7600"
- Transmit intentions in the blind
- Over fly the airport at 500 feet above pattern altitude
- Join pattern of active runway
- Look for light gun signals

Considing Loss & Reveal COOP

#### **Radio Failure? Squawk 7600**





## Unable to use appropriate navigation aids!



Figure 2: Cockpit view of various navigation, landing, and DME instrumentation





## Experiencing navigational difficulties!



a alamy stock photo

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## Experiencing hazardous weather conditions.

COOLING

COOL AIR FALLS AND ACCELERATES

WINDS UP TO 100MPH OVER SMALL AREA (UP TO 2 MILES)

DRY AR

WHAT IS A MICROBURST?

DRY AIR

AIR HITS GROUND AND IS FORCED OUTWARD

#### **ADVERSE EFFECTS TO FLIGHT**















Experiencing impaired operating efficiency/technical difficulties, but not to the extent that the flight cannot be completed.





#### DO NOT WAIT - MAKE THAT CALL TO ATC AND SQUAWK!!!!

#### EMERGENCY CODES

There are three worldwide codes, which used for notification of ATC about emergency situation on board.

- 700 Emergency (SOS, MAYDAY);
- 600 Radio Failure (Lost Communications);
- 7500 Aircraft hijacking;

#### FLY SAFE, STAY SAFE AND IF YOU NEED A GUARDIAN ANGEL - PHONE ME, I WILL FLY WITH YOU!!!!

<u>Santjiew@outlook.com</u> +27 63 239 2151





### AERO SOUTH AFRICA





## Spring Flying: Dust off the Rust!